



# TI INDUSTRY GUIDE

TECHNICAL INSULATION  
JANUARY 2025



**PAROC**<sup>®</sup>

# TABLE OF CONTENTS\*

## PAROC products for industrial applications ..... 10

### Pipe Sections

PAROC Pro Section (WR) 100 (AluCoat) .....	11
PAROC Pro Section (WR) 120 (AluCoat) .....	12
PAROC Pro Section (WR) 140 (AluCoat) .....	13
PAROC Pro Section (WR) 140 Clad T .....	14
PAROC Pro Curve (WR) 100 (AluCoat) .....	15
PAROC Pro Curve (WR) 120 (AluCoat) .....	16
PAROC Pro Curve (WR) 140 (AluCoat) .....	17
PAROC Pro Section (WR) DL 100 (AluCoat) ...	18
PAROC Pro Section (WR) DL 120 (AluCoat) ...	19
PAROC Pro Section (WR) DL 140 (AluCoat) ...	20
PAROC Pro Section (WR) DL1 (AluCoat) .....	21
PAROC Pro Lock (WR) 100 .....	22
PAROC Pro Lock (WR) 140 .....	23
PAROC Pro Combi (WR) 140 Clad T .....	24

### Bends

PAROC Pro Bend (WR) 100 (AluCoat) .....	25
PAROC Pro Bend (WR) 140 Clad .....	26

### Lamella Mats

PAROC Pro Lamella Mat AluCoat .....	27
PAROC Pro Lamella Mat 80 AluCoat .....	28
PAROC Pro Lamella Mat Clad .....	29

### Wired Mats

PAROC Pro Wired Mat (WR) 660 (AluCoat) ....	30
PAROC Pro Wired Mat (WR) 660 AL1 .....	31
PAROC Pro Wired Mat (WR) 680 (AluCoat) ....	32
PAROC Pro Wired Mat (WR) 680 AL1 .....	32
PAROC Pro Wired Mat (WR) 700 (AluCoat) TH1 ..	33
PAROC Pro Wired Mat (WR) 700 AL1 TH1 ....	33

### Slabs

PAROC Pro Roof Slab (WR) 20 kPa .....	34
PAROC Pro Roof Slab (WR) 50 kPa .....	35
PAROC Pro Roof Slab 80 kPa .....	36
PAROC Pro Slab (WR) 350 (AluCoat) .....	37
PAROC Pro Slab (WR) 450 (AluCoat) .....	38
PAROC Pro Slab (WR) 640 (AluCoat) .....	39
PAROC Pro Slab (WR) 660 (AluCoat) .....	40
PAROC Pro Slab (WR) 680 (AluCoat) .....	41
PAROC Pro Slab (WR) 700 (AluCoat) .....	42

### Mats

PAROC Pro Mat (WR) 350 (AluCoat) .....	43
PAROC Pro Mat (WR) 640 (AluCoat) .....	44
PAROC Pro Mat (WR) 660 (AluCoat) .....	45
PAROC Pro Loose Wool .....	46

### Accessories

PAROC Clad Dots .....	48
PAROC Clad Tape .....	48
PAROC Clad AluTape .....	48
PAROC Clad Alu Dots .....	48
PAROC Pro Roof Wedge (WR) .....	48

## PAROC Pro Products Standard compliance ..... 49

*(WR) = water-repellent version available without surcharge (article numbers refer to non-WR version)*

**Quick access: Click on the desired product or content page to immediately navigate to it.  
Clicking on 'Table of Contents' will direct you back to the index page.  
Hyperlinks will take you to relevant additional pages or research sources.**

\*Please note that product names may vary in some areas

**QUESTION**

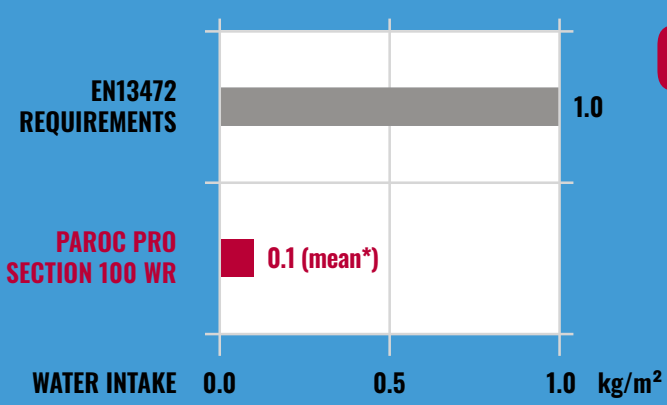
**Q :** HOW COST EFFICIENT IS TECHNICAL INSULATION?

**ANSWER**

**A :** **VERY.**

AVERAGE PAYBACK PERIOD: **2** YEARS

Source: EIF. Image: Chris Briggs / Unsplash



**OUTSTANDING WATER ABSORPTION PROPERTIES FOR STONE WOOL INSULATION<sup>2</sup>**

**10 TIMES BETTER THAT THE REQUIREMENTS OF THE TOUGHEST KNOWN STANDARD AVAILABLE (EN13472)\*, EVEN AFTER BEING EXPOSED TO TEMPERATURES UP TO 300 °C\***

\* average water absorption level <0,1 kg/m² after 300 °C/24h prebake; based on 3<sup>rd</sup> party testing in 2019 and internal testing in 2023 and 2024

Industrial Pipeworks			Tanks		Industrial Boilers							Recommended products		
Process pipelines	High temperature pipelines	Super-heated steam pipelines	Pipe elbows	Tank roofs	Tank walls	Pressure vessels	Flue ducts	Boiler walls	Boiler penthouses	Equipment and filters	Industrial chimneys		Industrial special constructions	District heating lines

**Pipe sections**

■													■	PAROC Pro Section WR 100 (AluCoat)
■													■	PAROC Pro Section 100 (AluCoat)
■													■	PAROC Pro Section WR 140 (AluCoat)
■													■	PAROC Pro Section 140 (AluCoat)
■													■	PAROC Pro Section WR DL 100 (AluCoat)
■													■	PAROC Pro Section DL 100 (AluCoat)
	■	■												PAROC Pro Section WR DL 140 (AluCoat)
	■	■												PAROC Pro Section DL 140 (AluCoat)
	■	■												PAROC Pro Section 140 Clad
■													■	PAROC Pro Lock WR 100
■													■	PAROC Pro Lock 100
■	■	■											■	PAROC Pro Lock WR 140
■	■	■											■	PAROC Pro Lock 140

**Segments, Curves, Bends**

			■											PAROC Pro Curve WR 100 (AluCoat)
			■											PAROC Pro Curve 100 (AluCoat)
			■											PAROC Pro Curve WR 140 (AluCoat)
			■											PAROC Pro Curve 140 (AluCoat)
			■											PAROC Pro Curve 140 Clad WR
			■											PAROC Pro Segment WR 100 (AluCoat)
			■											PAROC Pro Segment 100 (AluCoat)
			■											PAROC Pro Segment WR 140 (AluCoat)
			■											PAROC Pro Segment 140 (AluCoat)
			■											PAROC Pro Segment WR DL 100 (AluCoat)
			■											PAROC Pro Segment DL 100 (AluCoat)
			■											PAROC Pro Segment WR DL 140 (AluCoat)
			■											PAROC Pro Segment DL 140 (AluCoat)
			■											PAROC Pro Segment 140 Clad
			■											PAROC Pro Bend WR 100 (AluCoat)
			■											PAROC Pro Bend 100 (AluCoat)
			■											PAROC Pro Bend WR 140 (AluCoat)
			■											PAROC Pro Bend 140 (AluCoat)
			■											PAROC Pro Bend 140 Clad

WATER-REPELLENT  
 STANDARD PRODUCTS  
 ALU FACING  
 ALUMINIUM FACING  
 ALUMINIUM FACING + WATER-REPELLENT



Nominal density kg/m <sup>3</sup>	Max service temperature  (C and Fahrenheit)	Up to 80 kg   recommended up to 200 °C   possible up to MST	100-120 kg   possible up to 200 °C   recommended 200-350 °C possible up to MST	130 kg*   possible up to 350 °C   recommended 350 °C to MST
100	640°C 1184°F			
100	640°C 1184°F			
140	680°C 1256°F			
140	680°C 1256°F			
100	640°C 1184°F			
100	640°C 1184°F			
140	680°C 1256°F			
140	680°C 1256°F			
140	680°C 1256°F			
100	640°C 1184°F			
100	640°C 1184°F			
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140	680°C 1256°F			
100	640°C 1184°F			
100	640°C 1184°F			
140	680°C 1256°F			
140	680°C 1256°F			
140	680°C 1256°F			

Question or packaging and/or dimensions?  
Download our guides on [paroc.com](http://paroc.com)





Nominal density kg/m <sup>3</sup>	Max service temperatur (C and Fahrenheit)	Up to 80 kg   recommended up to 200 °C   possible up to MST	100-120 kg   possible up to 200 °C   recommended 200-350 °C possible up to MST	130 kg*   possible up to 350 °C   recommended 350 °C to MST
40	350°C 662°F			
40	350°C 662°F			
40	350°C 662°F			
60	450°C 842 °F			
60	450°C 842 °F			
60	450°C 842 °F			
80	640°C 1184°F			
80	640°C 1184°F			
80	640°C 1184°F			
100	660°C 1220°F			
100	660°C 1220°F			
100	660°C 1220°F			
120	680°C 1256°F			
120	680°C 1256°F			
120	680°C 1256°F			
150	700°C 1292°F			
150	700°C 1292°F			
150	700°C 1292°F			
50	500°C 932°F			
80	500°C 932°F			

Question or packaging and/or dimensions?  
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Process pipelines	High temperature pipelines	Super-heated steam pipelines	Pipe elbows	Tank roofs	Tank walls	Pressure vessels	Flue ducts	Boiler walls	Boiler penthouses	Equipment and filters	Industrial chimneys	Industrial special constructions	District heating lines	Columns	<b>Recommended products</b>
Industrial Pipeworks			Tanks			Industrial Boilers									

### Wired Mats

															PAROC Pro Wired Mat WR 550
															PAROC Pro Wired Mat 550 AL1
															PAROC Pro Wired Mat 660
															PAROC Pro Wired Mat WR 660 (AluCoat)
															PAROC Pro Wired Mat 660 AL1
															PAROC Pro Wired Mat 680
															PAROC Pro Wired Mat WR 680 (AluCoat)
															PAROC Pro Wired Mat 680 AL1
															PAROC Pro Wired Mat WR 700 TH1
															PAROC Pro Wired Mat (WR )700 AluCoat TH1
															PAROC Pro Wired Mat (WR) 700 AL1 TH1

### Mats

															PAROC Pro Mat 350
															PAROC Pro Mat 350 AluCoat
															PAROC Pro Mat 640
															PAROC Pro Mat 640 AluCoat
															PAROC Pro Mat 660
															PAROC Pro Mat 660 AluCoat
															PAROC Pro Loose Mat WR 600
															PAROC Pro Loose Mat WR 660



### Roof Slabs

															PAROC Pro Roof Slab 20 kPa
															PAROC Pro Roof Slab WR 20 kPa
															PAROC Pro Roof Slab 50 kPa
															PAROC Pro Roof Slab WR 50 kPa
															PAROC Pro Roof Slab WR 80 kPa









WATER-REPELLENT  
STANDARD PRODUCTS  
AL1 FACING  
ALUMINIUM FACING  
ALUMINIUM FACING + WATER-REPELLENT































Nominal density kg/m <sup>3</sup>	Max service temperatur	Up to 80 kg   recommended up to 200 °C   possible up to MST	
		100-120 kg   possible up to 200 °C   recommended 200-350 °C possible up to MST	
	(C and Fahrenheit)	130 kg*   possible up to 350 °C   recommended 350 °C to MST	

70	600°C 1112°F	
70	600°C 1112°F	
80	660°C 1220°F	
80	660°C 1220°F	
80	660°C 1220°F	
100	680°C 1256°F	
100	680°C 1256°F	
100	680°C 1256°F	
130	700°C 1292°F	
130	700°C 1292°F	
130	700°C 1292°F	

50	350°C 662°F	
50	350°C 662°F	
80	640°C 1184°F	
80	640°C 1184°F	
100	660°C 1220°F	
100	660°C 1220°F	
70	600°C 1112°F	
100	660°C 1220°F	

		
90	640°C 1184°F	 
90	640°C 1184°F	 
150	700°C 1292°F	    
150	700°C 1292°F	       
150	660°C 1220°F	       

Question or packaging and/or dimensions?  
Download our guides on [paroc.com](http://paroc.com)

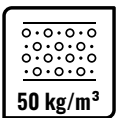


# PAROC PRODUCTS FOR INDUSTRIAL APPLICATIONS

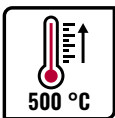
## EXPLANATION OF SYMBOLS

### TECHNICAL SPECIFICATIONS

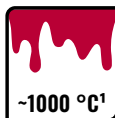
Nominal density



Maximum service temperature



Melting point



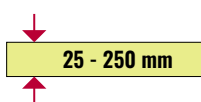
<sup>1</sup>Owens Corning internal test results, June 2023-24 for normal quality control/FPC

Non-combustible

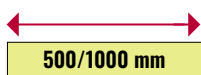


### DIMENSIONS

Thickness



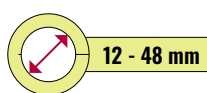
Width



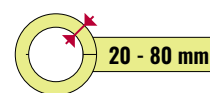
Length



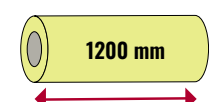
Inner diameter



Insulation thickness



Section length



### ADDITIONAL INFORMATION

Data sheet

Accessories

Installation video

Packing details

Dimension Guide

Installation manual

Water-repellent version available without surcharge

**(WR)**

# PIPE SECTIONS

PAROC PRO SECTION WR 100

PAROC PRO SECTION 100

PAROC PRO SECTION WR 100 ALUOCOAT

PAROC PRO SECTION 100 ALUOCOAT

Concentric, dimensionally accurate stone wool pipe sections,  
in one or two segments, slotted on one side

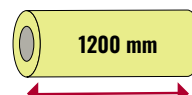
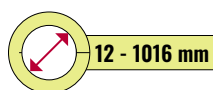
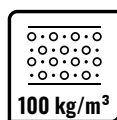
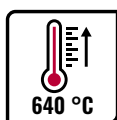
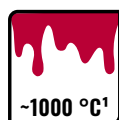


## APPLICATION

- Pipelines for industrial and power plants, district heating and exhaust pipes, technical systems, chimneys

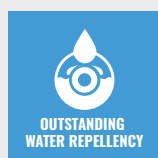
## TECHNICAL SPECIFICATIONS

- Water absorption <math>< 0,1 \text{ kg/m}^2</math> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp)  $\leq 1 \text{ kg/m}^2$  for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.03.50.10
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8 / T9-ST (+) 640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



# PIPE SECTIONS

PAROC PRO SECTION WR 120

PAROC PRO SECTION 120

PAROC PRO SECTION WR 120 ALUCOAT

PAROC PRO SECTION 120 ALUCOAT

Concentric, dimensionally accurate stone wool pipe sections, in one or two segments, slotted on one side

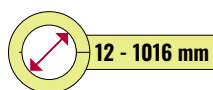
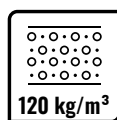
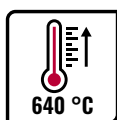
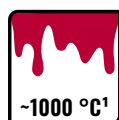


## APPLICATION

- Pipelines for industrial and power plants, district heating and exhaust pipes, technical systems, chimneys

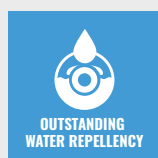
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- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.60.12
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8 / T9-ST (+) 640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



# PIPE SECTIONS

PAROC PRO SECTION WR 140

PAROC PRO SECTION 140

PAROC PRO SECTION WR 140 ALUCOAT

PAROC PRO SECTION 140 ALUCOAT

PAROC Pro Section 140 is a non-combustible stonewool pipe section for industrial pipe lines

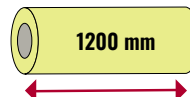
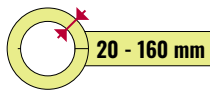
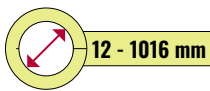
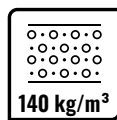
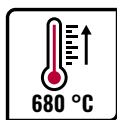
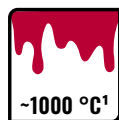


## APPLICATION

- Pipework for Industry and power plants, district heating and exhaust lines

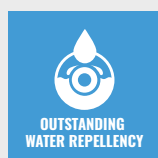
## TECHNICAL SPECIFICATIONS

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- Water Absorption, Short Term WS, (Wp)  $\leq 1 \text{ kg/m}^2</math> for non water-repellant version according to EN 13472$
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.80.14
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}</math> (temperature restriction determined in accordance with heat resistance adhesive)$



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497


t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



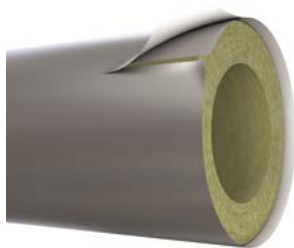
# PIPE SECTIONS

## PAROC PRO SECTION (WR) 140 CLAD T

Stonewool pipe section with a fibre reinforced aluminium coating



**Accessories (page 48):**  
 PAROC Clad Alu Tape  
 PAROC Clad Tape

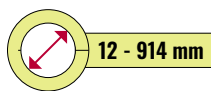
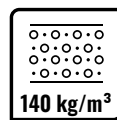
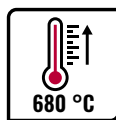
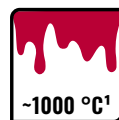


### APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a [weather-resistant](#) aluminium coating, outdoor installation without additional cladding systems; additionally the mineral wool is protected from mechanical loads, moisture as well as chemical [substances \(as named in declaration\)](#)

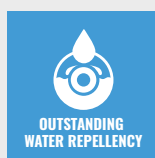
### TECHNICAL SPECIFICATIONS

- Water-repellent according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- The surface temperature of the lamination must be limited to 80 °C
- AGI designation code: 10.04.04.80.14
- CE designation Code: MW-EN 14303-T8/T9-ST(+)-680-WS1-MV2-CL10
- PAROC Pro WR products are tested according to LABS conformity standard VDMA 24364
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)
- Resistant against hail impact



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.085	0.110



# PIPE SECTIONS

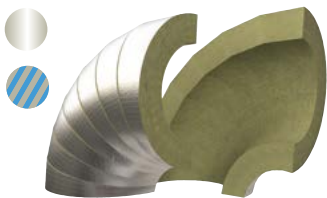
PAROC PRO CURVE WR 100

PAROC PRO CURVE 100

PAROC PRO CURVE WR 100 ALUCOAT

PAROC PRO CURVE 100 ALUCOAT

Prefabricated stone wool insulation element for pipe elbows where the risk of CUI (corrosion under insulation) is present

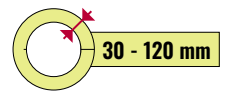
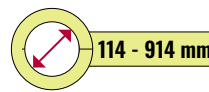
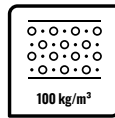
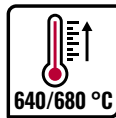
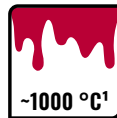


## APPLICATION

- Insulation of pipe elbows

## TECHNICAL SPECIFICATIONS

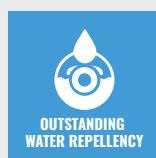
- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.03.50.10
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8 / T9-ST (+) 640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



		Available dimensions PAROC Pro Curve (WR) 100													
mm		114'	140'	168'	219'	273'	324'	356'	406'	457'	508'	612'	762'	914'	
Inner diameter of pipe	30	x	x	x	x	x	x	x	x	x	x				
	40	x	x	x	x	x	x	x	x	x	x	x			
	50	x	x	x	x	x	x	x	x	x	x	x	x	x	
	60		x	x	x	x	x	x	x	x	x	x	x	x	
	70		x	x	x	x	x	x	x	x	x	x	x	x	
	80			x	x	x	x	x	x	x	x	x	x	x	
	90			x	x	x	x	x	x	x	x	x	x	x	
	100			x	x	x	x	x	x	x	x	x	x	x	
	120			x				x							

Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



Watch our video on energy efficiency with PAROC Pro Sections!



# PIPE SECTIONS

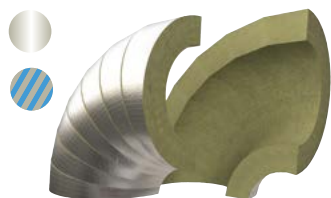
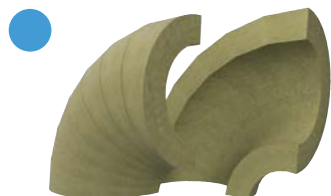
PAROC PRO CURVE WR 120

PAROC PRO CURVE 120

PAROC PRO CURVE WR 120 ALUcoat

PAROC PRO CURVE 120 ALUcoat

Prefabricated stone wool insulation element for pipe elbows where the risk of CUI (corrosion under insulation) is present

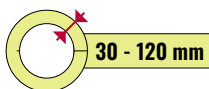
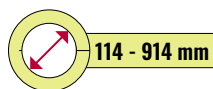
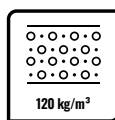
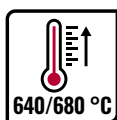
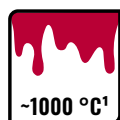


## APPLICATION

- Insulation of pipe elbows

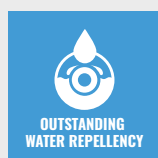
## TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.04.40.12 (120)
- Quality monitored according to VDI 2055
- CE designation code:  
MW-EN 14303-T8 / T9-ST (+) 640-WS1-CL10  
MW-EN 14303-T8 / T9-ST (+) 680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



Watch our video  
on energy efficiency with  
PAROC Pro Sections!





# PIPE SECTIONS

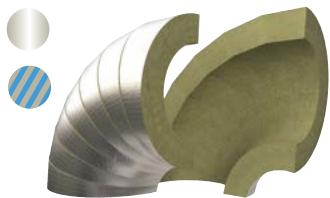
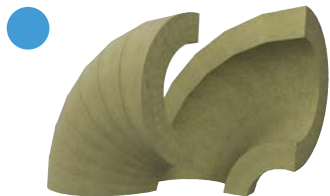
PAROC PRO CURVE WR 140

PAROC PRO CURVE 140

PAROC PRO CURVE WR 140 ALUCOAT

PAROC PRO CURVE 140 ALUCOAT

Prefabricated stone wool insulation element for pipe elbows where the risk of CUI (corrosion under insulation) is present

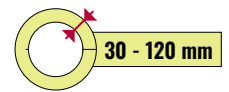
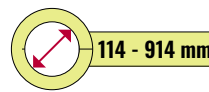
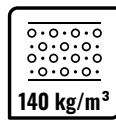
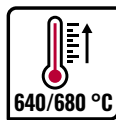
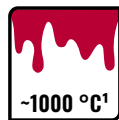


## APPLICATION

- Insulation of pipe elbows

## TECHNICAL SPECIFICATIONS

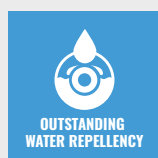
- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.04.80.14 (140)
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T8 / T9-ST (+) 680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



		Available dimensions PAROC Pro Curve (WR) 140												
mm		114'	140'	168'	219'	273'	324'	356'	406'	457'	508'	612'	762'	914'
Inner diameter of pipe	30	x	x	x	x	x	x	x	x	x	x			
	40	x	x	x	x	x	x	x	x	x	x	x		
	50	x	x	x	x	x	x	x	x	x	x	x	x	x
	60		x	x	x	x	x	x	x	x	x	x	x	x
	70		x	x	x	x	x	x	x	x	x	x	x	x
	80			x	x	x	x	x	x	x	x	x	x	x
	90			x	x	x	x	x	x	x	x	x	x	x
	100			x	x	x	x	x	x	x	x	x	x	x
	120			x				x						

Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



Watch our video on energy efficiency with PAROC Pro Sections!



# PIPE SECTIONS

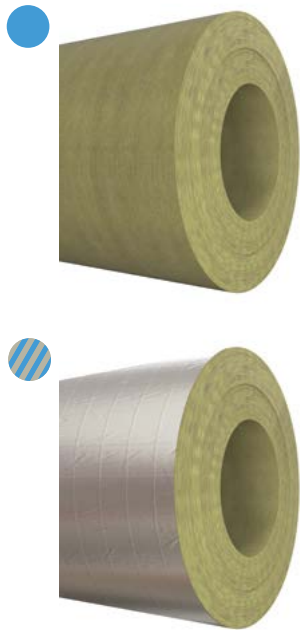
PAROC PRO SECTION WR DL 100

PAROC PRO SECTION DL 100

PAROC PRO SECTION WR DL 100 ALUCOAT

PAROC PRO SECTION DL 100 ALUCOAT

Stonewool pipe section in two layers for industrial pipelines

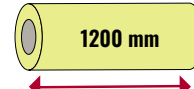
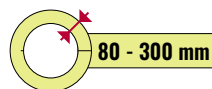
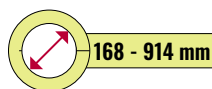
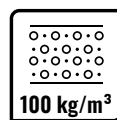
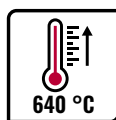
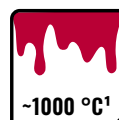


## APPLICATION

- Thermal insulation of industrial pipework for higher insulation thicknesses or where there is required insulation in two layers

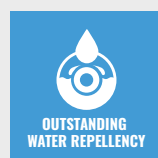
## TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 13472
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.03.50.10
- Reaction to Fire, Euroclass A<sub>1</sub><sub>L</sub>
- Chloride Ions, Cl- < 10 ppm
- CE designation Code MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



# PIPE SECTIONS

PAROC PRO SECTION WR DL 120

PAROC PRO SECTION DL 120

PAROC PRO SECTION WR DL 120 ALUCOAT

PAROC PRO SECTION DL 120 ALUCOAT

Stonewool pipe section in two layers for industrial pipelines

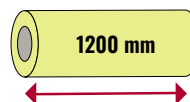
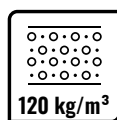
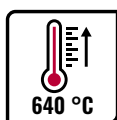
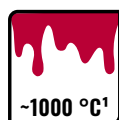


## APPLICATION

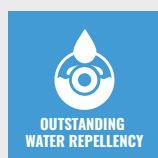
- Thermal insulation of industrial pipework for higher insulation thicknesses or where there is required insulation in two layers

## TECHNICAL SPECIFICATIONS

- Water absorption <math>0,1 \text{ kg/m}^2</math> at temperatures up to  $300 \text{ }^\circ\text{C}</math> for water-repellent version according to EN 13472$
- Water Absorption, Short Term WS, (Wp)  $\leq 1 \text{ kg/m}^2</math> for non water-repellant version according to EN 13472$
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.60.12
- Reaction to Fire, Euroclass A<sub>1</sub><sub>L</sub>
- Chloride Ions, Cl- <math>< 10 \text{ ppm}</math>
- CE designation Code MW-EN 14303-T8/T9-ST(+)<sub>640</sub>-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}</math> (temperature restriction determined in accordance with heat resistance adhesive)$



t	°C	50	100	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.063	0.073	0.085	0.110



# PIPE SECTIONS

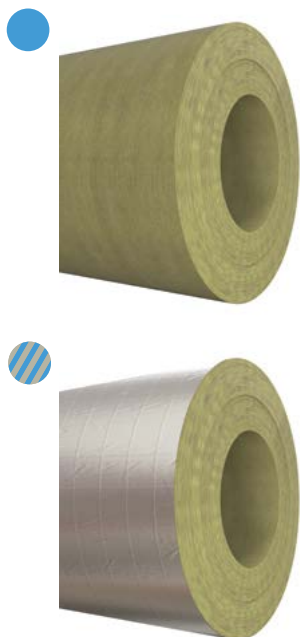
PAROC PRO SECTION WR DL 140

PAROC PRO SECTION DL 140

PAROC PRO SECTION WR DL 140 ALUCOAT

PAROC PRO SECTION DL 140 ALUCOAT

Stonewool pipe section in 2 layers for industrial pipe lines

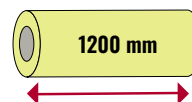
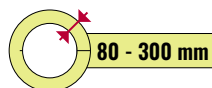
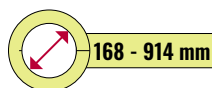
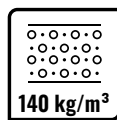
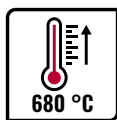
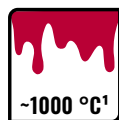


## APPLICATION

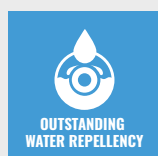
- Thermal insulation of industrial pipework for higher insulation thicknesses or where there is required insulation in two layers

## TECHNICAL SPECIFICATIONS

- Water absorption <math>< 0,1 \text{ kg/m}^2</math> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp)  $\leq 1 \text{ kg/m}^2$  for non water-repellant version according to EN 13472
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.80.14
- Reaction to Fire, Euroclass A<sub>1</sub>
- Chloride Ions, Cl- <math>< 10 \text{ ppm}</math>
- CE designation Code MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50	100	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.063	0.085	0.110



# PIPE SECTIONS

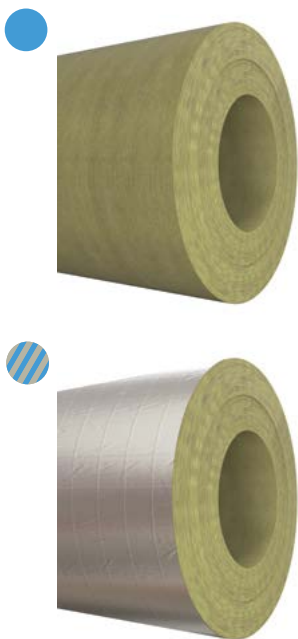
PAROC PRO SECTION WR DL1

PAROC PRO SECTION DL1

PAROC PRO SECTION WR DL1 ALUcoat

PAROC PRO SECTION DL1 ALUcoat

Stonewool pipe section in 2 layers for industrial pipe lines

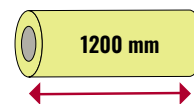
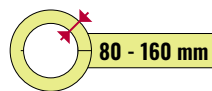
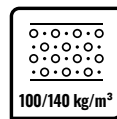
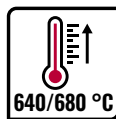
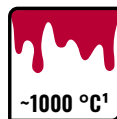


## APPLICATION

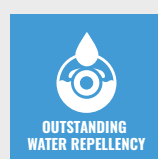
- Thermal insulation of industrial pipework for high insulation thicknesses or where there is required insulation in two layers

## TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 13472
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.03.50.10 (100)  
10.04.04.80.14 (140)
- Reaction to Fire, Euroclass A1<sub>L</sub>
- Chloride Ions, Cl- < 10 ppm
- CE designation Code  
PS140: MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10;  
PS100: MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50		100		150		200		250		300		400	
		PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100	PS140	PS100
λ <sub>N,P</sub>	W/mK	0.039	0.041	0.047	0.045	0.054	0.054	0.063	0.064	0.073	0.077	0.085	0.092	0.110	



# PIPE SECTIONS

## PAROC PRO LOCK WR 100 PAROC PRO LOCK 100

Stonewool pipe section with a z-joint on the longitudinal and circumferential seams

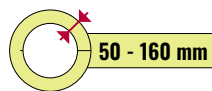
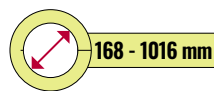
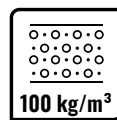
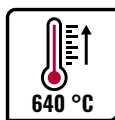
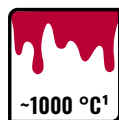


### APPLICATION

- Pipework for Industry and power plants, district heating and exhaust lines

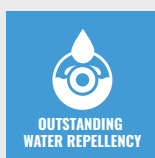
### TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 13472
- AS-quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.03.50.10
- Quality monitored according to VDI 2055
- CE-designation code: MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



# PIPE SECTIONS

## PAROC PRO LOCK WR 140 PAROC PRO LOCK 140

Stonewool pipe section with a z-joint on the longitudinal and circumferential seams

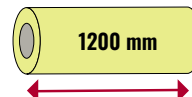
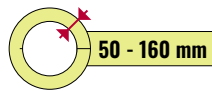
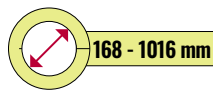
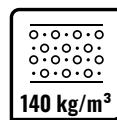
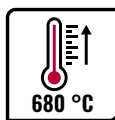
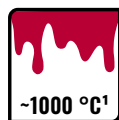


### APPLICATION

- Thermal insulation of industrial pipework at high temperatures

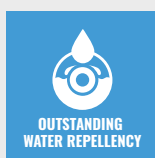
### TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 13472
- AS-quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.04.04.80.14
- Quality monitored according to VDI 2055
- CE-designation code: MW-EN 14303-T8/T9-ST(+)-680-WS1-CL10



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497

t	°C	50	100	150	200	250	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.073	0.085	0.110



# PIPE SECTIONS

## PAROC PRO COMBI (WR) 140 CLAD T

Prefabricated insulation component made of stonewool with a fibre reinforced aluminium coating



**Accessories (page 48):**  
 PAROC Clad Alu Dots  
 PAROC Clad Dots  
 PAROC Clad Tape  
 PAROC Pro Roof Wedge (WR)

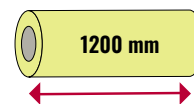
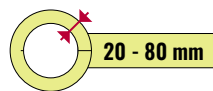
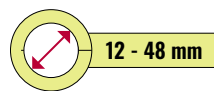
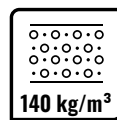
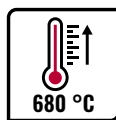
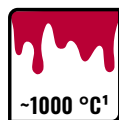


### APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a [weather-resistant](#) aluminium coating, outdoor installation without additional cladding systems; additionally the mineral wool is protected from mechanical loads, moisture as well as chemical [substances \(as named in declaration\)](#)

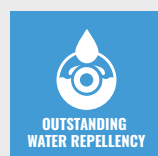
### TECHNICAL SPECIFICATIONS

- Water-repellent according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- The surface temperature of the lamination must be limited to 80 °C
- AGI designation code: 10.04.04.80.14
- CE designation Code: MW-EN 14303-T8/T9-ST(+)-680-WS1-MV2-CL10
- PAROC Pro WR products are tested according to LABS conformity standard VDMA 24364
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance with adhesive)
- Resistant against hail impact



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.085	0.110





# PIPE BENDS

PAROC PRO BEND WR 100

PAROC PRO BEND 100

PAROC PRO BEND WR 100 ALUcoat

PAROC PRO BEND 100 ALUcoat

Prefabricated insulation component made of stonewool

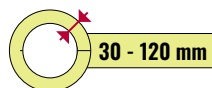
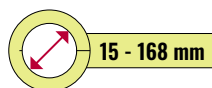
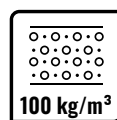
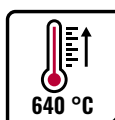
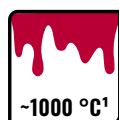


## APPLICATION

- Thermal insulation of industrial pipework at high temperatures

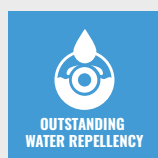
## TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 13472
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.08.03.50.10
- Reaction to Fire, Euroclass A<sub>1</sub><sub>L</sub>
- Chloride Ions, Cl<sup>-</sup> < 10 ppm
- CE designation Code MW-EN 14303-T8/T9-ST(+)-640-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN ISO 8497


t	°C	50	100	150	200	250	300
$\lambda_{N,P}$	W/mK	0.039	0.045	0.054	0.064	0.077	0.092



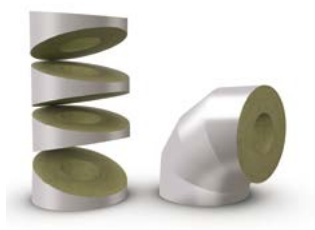
# PIPE BENDS

## PAROC PRO BEND (WR) 140 CLAD

Prefabricated insulation component made of stonewool with a fibre reinforced aluminium coating



Accessories (page 48):  
PAROC Clad Alu Tape  
PAROC Clad Tape

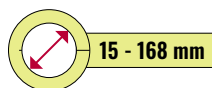
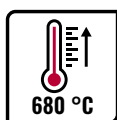
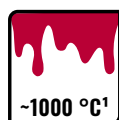


### APPLICATION

- Thermal insulation of outdoor pipelines
- Due to a [weather-resistant](#) aluminium coating, outdoor installation without additional cladding systems; additionally the mineral wool is protected from mechanical loads, moisture as well as chemical [substances \(as named in declaration\)](#)

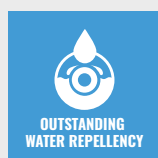
### TECHNICAL SPECIFICATIONS

- Water-repellent according to EN 13472
- AS quality according to EN 13468 and AGI Q 132
- The surface temperature of the lamination must be limited to 80 °C
- AGI designation code: 10.04.04.80.14
- CE designation Code: MW-EN 14303-T8/T9-ST(+)-680-WS1-MV2-CL10
- PAROC Pro WR products are tested according to LABS conformity standard VDMA 24364
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	400
$\lambda_{N,P}$	W/mK	0.041	0.047	0.054	0.063	0.085	0.110



# LAMELLA MATS

## PAROC PRO LAMELLA MAT ALUCOAT

Stonewool lamella mat laminated on one side with a grid-reinforced aluminum foil

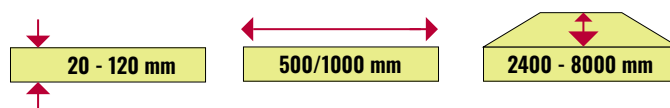
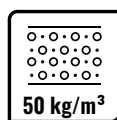
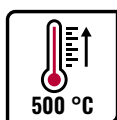
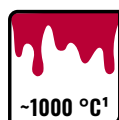


### APPLICATION

- A high flexural and compressive strength allows a support structure-free laying of pipelines, tanks, boilers, in industrial and power plants, district heating lines

### TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 250 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.03.02.99.05
- Quality monitored according to VDI 2055
- Compressive strength > 10 kPa according to EN 826
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)
- CE designation code: MW-EN 14303-T4-ST (+) 500-WS1-MV2-CL10



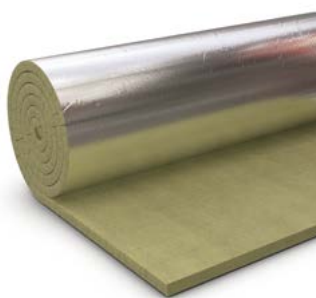
Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	10	50	100	150	200	300	400	500
$\lambda_{N,P}$	W/mK	0.039	0.045	0.055	0.066	0.082	0.125	0.175	0.235

# LAMELLA MATS

## PAROC PRO LAMELLA MAT 80 ALUCOAT

Non-combustible stone wool insulation for thermal and condensation insulation of ventilation ducts and equipment. It has a reinforced aluminium foil facing

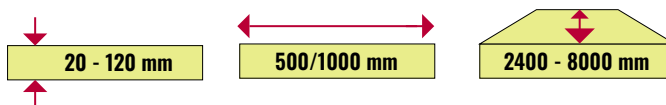
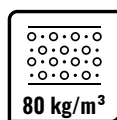
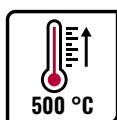
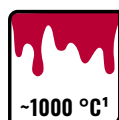


### APPLICATION

- A high flexural and compressive strength allows a support structure-free laying of pipelines, tanks, boilers, in industrial and power plants, district heating lines

### TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 250 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.03.02.99.08
- Quality monitored according to VDI 2055
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)
- CE designation code: MW-EN 14303-T4-ST (+) 500-WS1-MV2-CL10



t	°C	10	50	100	200	300	400	500
$\lambda_{N,P}$	W/mK	0.042	0.047	0.055	0.074	0.100	0.132	0.179

# LAMELLA MATS

## PAROC PRO LAMELLA MAT CLAD

Stonewool lamella mat with a fibre reinforced aluminium coating



**Accessories (page 48):**  
 PAROC Clad Alu Dots  
 PAROC Clad Dots  
 PAROC Clad Tape  
 PAROC Pro Roof Wedge (WR)

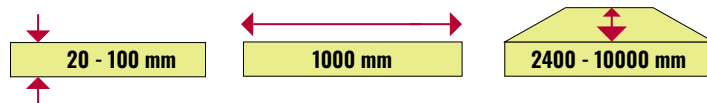
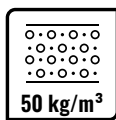
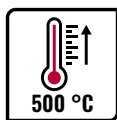
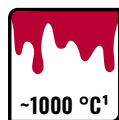


### APPLICATION

- Outdoor insulation of ventilation ducts, pipelines and containers;
- The insulation system does not require any further cladding systems; additionally
- The mineral wool is protected from mechanical loads, moisture and chemical [substances \(as named in declaration\)](#)

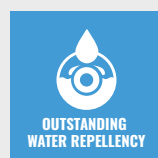
### TECHNICAL SPECIFICATIONS

- Water-repellent according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- AGI designation code: 10.03.02.99.05
- Compressive strength > 10 kPa according to EN 826
- The surface temperature of the lamination must be limited to 80 °C
- CE designation Code: MW-EN 14303-T4-CS(10)10-ST(+500-WS1-MV2-CL10
- PAROC Pro WR products are tested according to LABS conformity standard VDMA 24364
- Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)
- Resistant against hail impact



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	10	50	100	150	200	300	400	500
$\lambda_{N,P}$	W/mK	0.039	0.045	0.055	0.066	0.082	0.125	0.175	0.235



# WIRED MATS

**PAROC PRO WIRED MAT WR 660**

**PAROC PRO WIRED MAT 660**

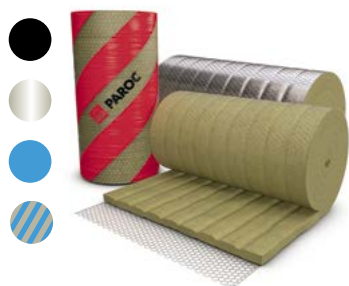
**PAROC PRO WIRED MAT 660 ALUCOAT**

**PAROC PRO WIRED MAT WR 660 ALUCOAT**

**PAROC PRO WIRED MAT 660 AL1**

**PAROC PRO WIRED MAT WR 660 AL1**

**Stonewool mat with wire thread quilting on galvanized wire mesh**

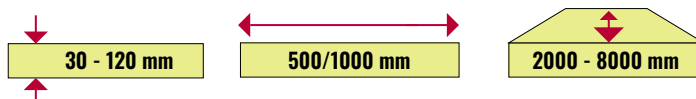
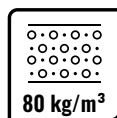
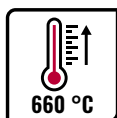
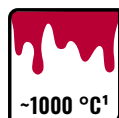


## APPLICATION

- Pipelines, containers, boilers, apparatus, in industrial and power plants, district heating lines

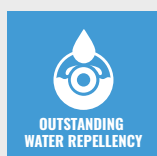
## TECHNICAL SPECIFICATIONS

- Water absorption <math>< 0,1 \text{ kg/m}^2</math> at temperatures up to 250 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp)  $\leq 1 \text{ kg/m}^2$  for non water-repellant version according to EN 1609
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.01.02.50.08
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T2-ST (+) 660-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50	100	200	300	400	500	600	660
$\lambda_{N,P}$	W/mK	0.040	0.046	0.062	0.084	0.111	0.146	0.190	0.213

**COMBINE WITH (WR) 100 AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.**



*\*only available in certain markets*

# WIRED MATS

**PAROC PRO WIRED MAT WR 680**

**PAROC PRO WIRED MAT 680**

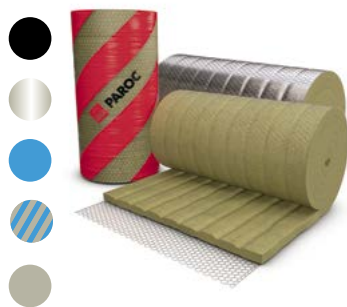
**PAROC PRO WIRED MAT 680 ALUCOAT**

**PAROC PRO WIRED MAT WR 680 ALUCOAT**

**PAROC PRO WIRED MAT 680 AL1**

**PAROC PRO WIRED MAT WR 680 AL1**

**Stonewool mat with wire thread quilting on galvanized wire mesh**

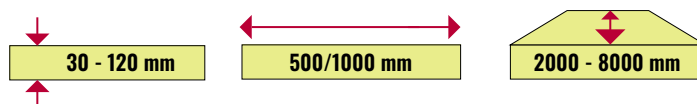
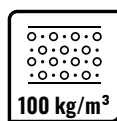
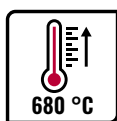
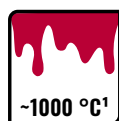


## APPLICATION

- Pipelines, containers, boilers, apparatus, in industrial and power plants, district heating lines

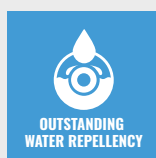
## TECHNICAL SPECIFICATIONS

- Water absorption <math>0,1 \text{ kg/m}^2</math> at temperatures up to  $300 \text{ }^\circ\text{C}</math> for water-repellent version according to EN 1609 and EN 12087$
- Water Absorption, Short Term WS, (Wp)  $\leq 1 \text{ kg/m}^2</math> for non water-repellant version according to EN 1609$
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.01.03.60.10
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T2-ST (+) 680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}</math> (temperature restriction determined in accordance with heat resistance adhesive)$



t	°C	50	100	150	200	250	300	400	500	600	680
$\lambda_{N,P}$	W/mK	0.039	0.045	0.051	0.059	0.068	0.078	0.102	0.131	0.167	0.196

**COMBINE WITH (WR) 100  
AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES.  
CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL  
CLADDING.**



*\*only available in certain markets*

# WIRED MATS

PAROC PRO WIRED MAT WR 700 TH1

PAROC PRO WIRED MAT 700 TH1

PAROC PRO WIRED MAT 700 ALUCOAT TH1

PAROC PRO WIRED MAT WR 700 ALUCOAT TH1

PAROC PRO WIRED MAT 700 AL1 TH1

PAROC PRO WIRED MAT WR 700 AL1 TH1

Stonewool mat with wire thread quilting on galvanized wire mesh

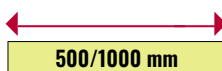
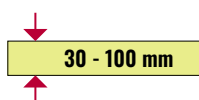
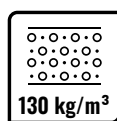
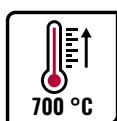
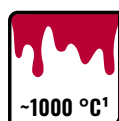


## APPLICATION

- Pipelines, containers, boilers, apparatus, in industrial and power plants, district heating lines

## TECHNICAL SPECIFICATIONS

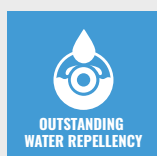
- Water absorption <math>0,1 \text{ kg/m}^2</math> at temperatures up to  $300 \text{ }^\circ\text{C}</math> for water-repellent version according to EN 1609 and EN 12087$
- Water Absorption, Short Term WS,  $(W_p) \leq 1 \text{ kg/m}^2</math> for non water-repellant version according to EN 1609$
- AS quality according to EN 13468 and AGI Q 132
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.01.04.60.13
- Quality monitored according to VDI 2055
- CE designation code: MW-EN 14303-T2-ST (+) 680-WS1-CL10
- AluCoat version: Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}</math> (temperature restriction determined in accordance with heat resistance adhesive)$



t	°C	50	100	200	300	400	500	600	700
$\lambda_{N,P}$	W/mK	0.041	0.046	0.059	0.077	0.100	0.128	0.161	0.196

COMBINE WITH (WR) 100

AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES.  
CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL  
CLADDING.





## LOOKING FOR TEMPERATURE RESISTANCE?

**W2** - stainless steel wire mesh and thread; **SW2** - galvanized wire mesh and stainless steel thread

**PAROC Pro Wired Mat 550 W2 and PAROC Pro Wired Mat 550 SW2**

**PAROC Pro Wired Mat 660 W2 and PAROC Pro Wired Mat 660 SW2**

**PAROC Pro Wired Mat 680 W2 and PAROC Pro Wired Mat 680 SW2**

**PAROC Pro Wired Mat 700 W2 TH1 and PAROC Pro Wired Mat 700 SW2 TH1**

# SLABS

## PAROC PRO ROOF SLAB WR 20 kPa

### PAROC PRO ROOF SLAB 20 kPa

Non-combustible stonewool slab



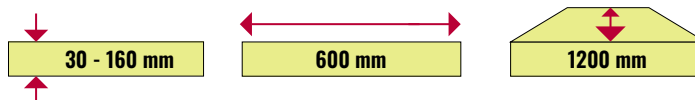
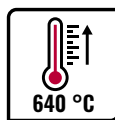
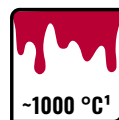
It is designed to withstand working loads during installation and maintenance (20 kPa)

#### APPLICATION

- Industrial tank roofs. It is designed to withstand working loads during installation and maintenance

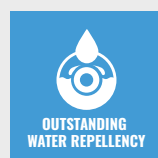
#### TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.07.04.99.09
- Compressive strength > 20 kPa according to EN 14303:2009+A1:2013 (EN 826)
- CE designation code: MW-EN 14303-T5-CS(10)20-ST(+)-640-WS1-CL10



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	200	300	400	500
$\lambda_{N,P}$	W/mK	0.039	0.045	0.062	0.084	0.112	0.144



# SLABS

## PAROC PRO ROOF SLAB WR 50 kPa

### PAROC PRO ROOF SLAB 50 kPa

Non-combustible stonewool slab for industrial tank roofs



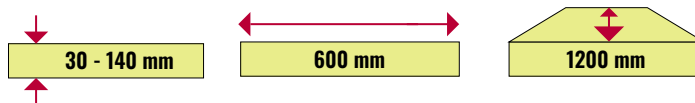
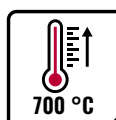
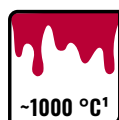
It is designed to withstand working loads during installation and maintenance (50 kPa)

#### APPLICATION

- For industrial tank roofs. It is designed to withstand working loads during installation and maintenance

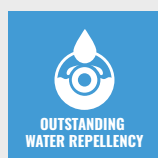
#### TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.07.05.90.15
- Compressive strength > 50 kPa according to EN 14303:2009+A1:2013 (EN 826)
- CE designation code: MW-EN 14303-T5-CS(10)50-ST(+)-700-WS1-CL10



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	200	300	400	500	600
$\lambda_{N,P}$	W/mK	0.041	0.046	0.059	0.077	0.099	0.128	0.162



# SLABS

## PAROC PRO ROOF SLAB 80 kPa\*

Non-combustible stonewool slab for industrial tank roofs



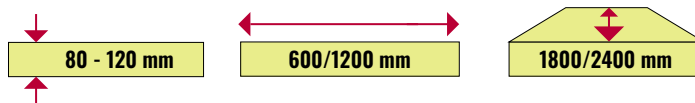
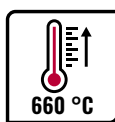
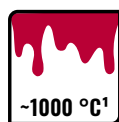
It is designed to withstand working loads during installation and maintenance (80 kPa)

### APPLICATION

- For industrial tank roofs. It is designed to withstand working loads during installation and maintenance

### TECHNICAL SPECIFICATIONS

- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity, tested according to VDMA 24364: 2018-05
- AGI designation code: 10.07.99.90.18
- Compressive strength > 80 kPa according to EN 14303:2009+A1:2013 (EN 826)
- CE designation code: MW-EN 14303-T5-CS(10)80-ST(+)660-WS1-CL10



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	200	300	400	500	600
$\lambda_{N,P}$	W/mK	0.044	0.048	0.060	0.076	0.095	0.116	0.141

\*only available in certain markets

# SLABS

PAROC PRO SLAB WR 350

PAROC PRO SLAB 350

PAROC PRO SLAB 350 ALUCOAT

PAROC PRO SLAB WR 350 ALUCOAT

Non-combustible stonewool insulation slab

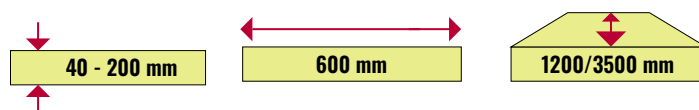
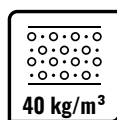
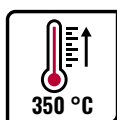
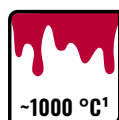


## APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

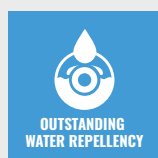
## TECHNICAL SPECIFICATIONS

- Water absorption <math>< 0,1 \text{ kg/m}^2</math> at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp)  $\leq 1 \text{ kg/m}^2$  for non water-repellant version according to EN 1609
- Water soluble ions <math>< 10 \text{ ppm}</math> according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.99.20.04
- Quality monitored according to VDI 2055
- CE designation code:  
MW-EN 14303-T3-ST (+) 350-WS1-CL  
MW-EN 14303-T3-ST(+)+350-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	350
$\lambda_{N,P}$	W/mK	0.042	0.053	0.066	0.083	0.125	0.148



# SLABS

PAROC PRO SLAB WR 450

PAROC PRO SLAB 450

PAROC PRO SLAB 450 ALUCOAT

PAROC PRO SLAB WR 450 ALUCOAT

Non-combustible stonewool insulation slab

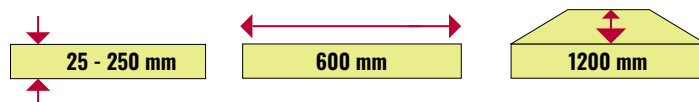
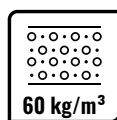
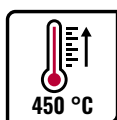
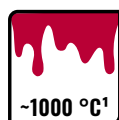


## APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

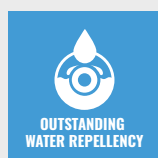
## TECHNICAL SPECIFICATIONS

- Water absorption <math>< 0,1 \text{ kg/m}^2</math> at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp)  $\leq 1 \text{ kg/m}^2$  for non water-repellant version according to EN 1609
- Water soluble ions <math>< 10 \text{ ppm}</math> according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.01.30.06
- Quality monitored according to VDI 2055
- CE designation code:  
MW-EN 14303-T3-ST (+) 450-WS1-CL 10  
MW-EN 14303-T5-ST(+)-450-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	400	450
$\lambda_{N,P}$	W/mK	0.040	0.047	0.056	0.067	0.095	0.129	0.149



# SLABS

PAROC PRO SLAB WR 640

PAROC PRO SLAB 640

PAROC PRO SLAB 640 ALUCLAD

PAROC PRO SLAB WR 640 ALUCLAD

Non-combustible stonewool insulation slab

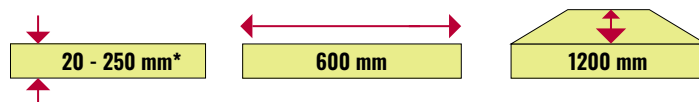
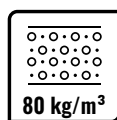
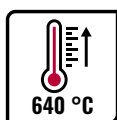
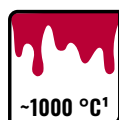


## APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

## TECHNICAL SPECIFICATIONS

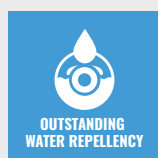
- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.02.30.08
- CE designation code:  
MW-EN 14303-T3-ST (+) 640-WS1-CL 10  
MW-EN 14303-T5-ST(+)+640-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	400	500	600	640
$\lambda_{N,P}$	W/mK	0.039	0.045	0.053	0.062	0.084	0.112	0.144	0.185	0.203

\*25 - 250 mm for AluCoat version



# SLABS

PAROC PRO SLAB WR 660

PAROC PRO SLAB 660

PAROC PRO SLAB 660 ALUCLAD

PAROC PRO SLAB WR 660 ALUCLAD

Non-combustible stonewool insulation slab

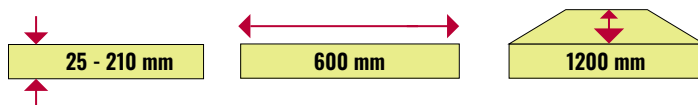
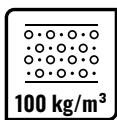
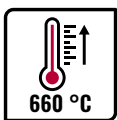
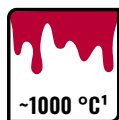


## APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

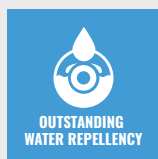
## TECHNICAL SPECIFICATIONS

- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.02.40.10
- CE designation code:  
MW-EN 14303-T2-ST (+) 660-WS1-CL 10  
MW-EN 14303-T5-ST(+)+660-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	400	500	600	660
$\lambda_{N,P}$	W/mK	0.039	0.045	0.052	0.060	0.081	0.107	0.140	0.175	0.200





# SLABS

PAROC PRO SLAB WR 680

PAROC PRO SLAB 680

PAROC PRO SLAB 680 ALUcoat

PAROC PRO SLAB WR 680 ALUcoat

Non-combustible stonewool insulation slab

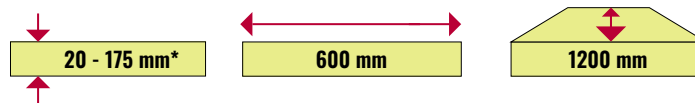
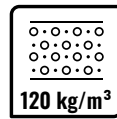
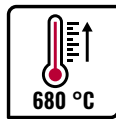
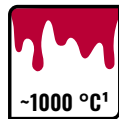


## APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

## TECHNICAL SPECIFICATIONS

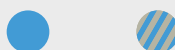
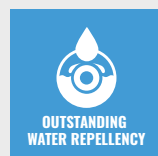
- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.03.70.12
- CE designation code:  
MW-EN 14303-T2-ST (+) 680-WS1-CL 10  
MW-EN 14303-T5-ST(+)-680-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	400	500	600	680
$\lambda_{N,P}$	W/mK	0.041	0.046	0.052	0.059	0.077	0.099	0.128	0.162	0.192

\*25 - 170 mm for AluCoat version



# SLABS

PAROC PRO SLAB WR 700

PAROC PRO SLAB 700

PAROC PRO SLAB 700 ALUCOAT

PAROC PRO SLAB WR 700 ALUCOAT

Non-combustible stonewool insulation slab

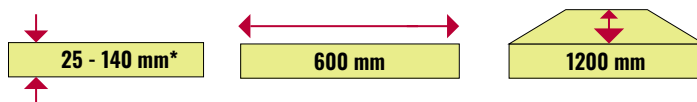
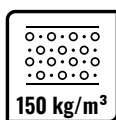
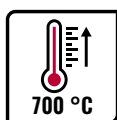
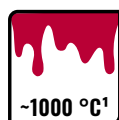


## APPLICATION

- Insulation of boilers (walls and penthouses), vessels, tanks (walls), flue ducts, equipment and filters

## TECHNICAL SPECIFICATIONS

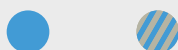
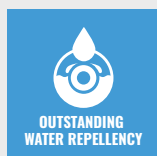
- Water absorption < 0,1 kg/m<sup>2</sup> at temperatures up to 300 °C for water-repellent version according to EN 1609
- Water Absorption, Short Term WS, (Wp) ≤ 1 kg/m<sup>2</sup> for non water-repellant version according to EN 1609
- Water soluble ions < 10 ppm according to EN 14303:2009+A1:2013 (EN 13468)
- LABS conformity according to VDMA 24364
- AGI designation code: 10.07.05.90.15
- CE designation code:  
MW-EN 14303-T3-ST (+) 700-WS1-CL 10  
MW-EN 14303-T5-ST(+)-700-WS1-MV2-CL10
- AluCoat version: Surface temperature of the facing must not exceed 80 °C (temperature restriction determined in accordance with heat resistance adhesive)



Nominal value of the thermal conductivity  $\lambda$  according to DIN EN 12667

t	°C	50	100	150	200	300	400	500	600	700
$\lambda_{N,P}$	W/mK	0.041	0.046	0.052	0.059	0.077	0.099	0.128	0.162	0.200

\*25 - 140 mm for AluCoat version



# MATS

## PAROC PRO MAT (WR) 350 PAROC PRO MAT (WR) 350 ALUCOAT

Non-combustible stone wool mat for industrial applications

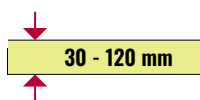
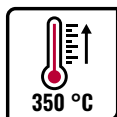
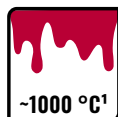
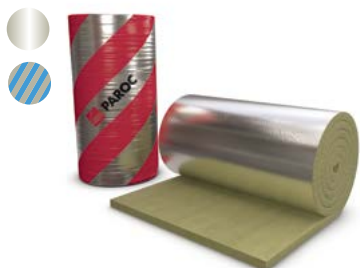


### APPLICATION

- Thermal insulation of flat or irregularly shaped equipment where surface temperature is rather low

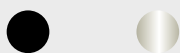
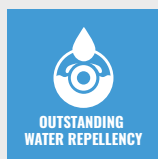
### TECHNICAL SPECIFICATIONS

- Water absorption, short term  $\leq 1 \text{ kg/m}^2$  according to EN 13472
- Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}$
- AGI designation code: 10.06.99.99.50
- CE designation code:  
MW-EN 14303-T2-ST(+)-350-WS1-CL10  
MW-EN 14303-T2-ST(+)-350-WS1-MV2- CL10
- AluCoat version: Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}$  (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50	100	150	200	250	300	350
$\lambda_{N,P}$	W/mK	0.042	0.053	0.066	0.083	0.102	0.125	0.148

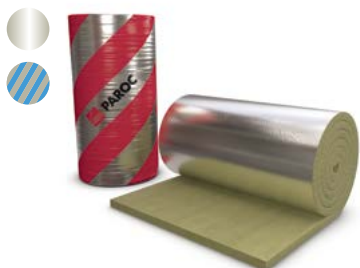
**COMBINE WITH (WR) 100 AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES. CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL CLADDING.**



# MATS

## PAROC PRO MAT (WR) 640 PAROC PRO MAT (WR) 640 ALUCOAT

Non-combustible stone wool mat for industrial applications

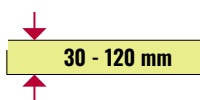
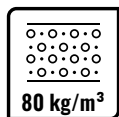
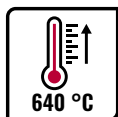
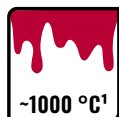


### APPLICATION

- Thermal insulation of flat or irregularly shaped equipment where surface temperature is rather low
- For thermal insulation purposes when insulating flat or irregularly shaped equipment

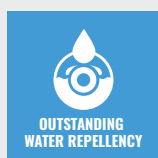
### TECHNICAL SPECIFICATIONS

- Water absorption, short term  $\leq 1 \text{ kg/m}^2$  according to EN 13472
- Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}$
- AGI designation code: 10.06.99.99.80
- CE designation code:  
MW-EN 14303-T2-ST(+)-640-WS1-CL10  
MW-EN 14303-T2-ST(+)-640-WS1-MV2- CL10
- AluCoat version: Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}$  (temperature restriction determined in accordance with heat resistance adhesive)



t	°C	50	100	150	200	300	400	500	600	640
$\lambda_{N,P}$	W/mK	0.040	0.046	0.053	0.062	0.084	0.111	0.146	0.190	0.205

**COMBINE WITH (WR) 100  
AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES.  
CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL  
CLADDING.**

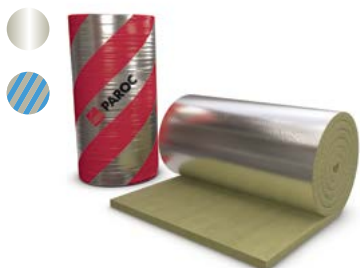


# MATS

PAROC PRO MAT (WR) 660

PAROC PRO MAT (WR) 660 ALUCOAT

Non-combustible stone wool mat for industrial applications

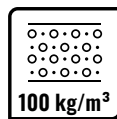
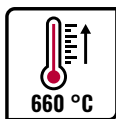
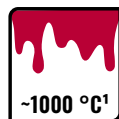


## APPLICATION

- Thermal insulation of flat or irregularly shaped equipment where surface temperature is rather low

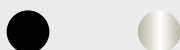
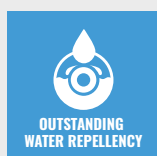
## TECHNICAL SPECIFICATIONS

- Water absorption, short term  $\leq 1 \text{ kg/m}^2$  according to EN 13472
- Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}$
- AGI designation code: 10.06.99.99.10
- CE designation code:  
MW-EN 14303-T2-ST(+)-660-WS1-CL10  
MW-EN 14303-T2-ST(+)-660-WS1-MV2- CL10
- AluCoat version: Surface temperature of the facing must not exceed  $80 \text{ }^\circ\text{C}$  (temperature restriction determined in accordance with heat resistance adhesive)



t	$^\circ\text{C}$	50	100	150	200	300	400	500	600	680
$\lambda_{N,P}$	W/mK	0.039	0.045	0.051	0.059	0.078	0.102	0.131	0.167	0.196

**COMBINE WITH (WR) 100  
AND (WR) 140 TO REDUCE HEAT LOSS AND THERMAL BRIDGES.  
CAN SUBSTITUTE STANDARD METAL RINGS UNDER HEAVY METAL  
CLADDING.**



# MATS

## PAROC PRO LOOSE WOOL

Stone wool mat with low binder content

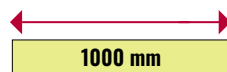
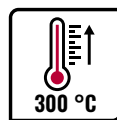
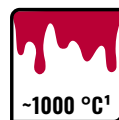


### APPLICATION

- Stone wool mat with low binder content for insulation of irregularly formed structures and devices

### TECHNICAL SPECIFICATIONS

- Water absorption, short term  $\leq 1 \text{ kg/m}^2$  according to EN 13472
- CE designation code: MW-EN 14303-T2-ST(+/250)300-WS1-CL10



t	°C	50	100	150	200	300
$\lambda_{N,P}$	W/mK	0.042	0.053	0.066	0.083	0.125

# OUTER DIAMETER FOR PIPE INSULATION: PIPE SECTIONS AND SEGMENTS

Inner diameter mm	Nominal insulation thickness, mm															
	20	25	30	40	50	60	70	80	90	100	110	120	130	140	150	160
	Outer diameter, mm															
12/15	52	62	72	92	115											
18	62	72	82	102	115	141										
22	62	72	82	102	128	141	167	180								
28	72	82	92	102	128	154	167	193								
35	72	82	92	115	141	154	180	193	219	232						
42	82	92	102	128	141	167	180	206	219	245						
48	92	102	115	128	154	167	193	206	232	245						
54	92	102	115	128	154	180	193	219	232	258						
57	102	102	115	141	154	180	193	219	232	258						
60	102	115	115	141	154	180	206	219	245	258						
64	102	115	128	141	167	180	206	219	245	258	284	310				
70	115	115	128	154	167	193	206	232	245	271	284	310				
76	115	128	141	154	180	193	219	232	258	271	297	310				
84			141	167	180	206	219	245	258	284	310	323				
89	128	141	154	167	193	206	232	245	271	284	310	323				
102	141	154	167	180	206	219	245	258	284	297	323	336				
108		154	167	193	206	232	245	271	284	310	323	349				
114		167	180	193	219	232	258	271	297	310	336	349				
121		167	180	206	219	245	258	284	297	323	336	362				
127		180	193	206	232	245	271	284	310	323	349	362				
133		180	193	219	232	258	271	297	310	336	349	375				
140		193	206	219	245	258	284	297	323	336	362	375				
156		206	219	232	258	271	297	310	336	362	375	401				
159		206	219	245	258	284	297	323	336	362	375	401				
168		219	232	245	271	284	310	323	349	362	388	414				
178		232	232	258	284	297	323	336	362	375	401	414				
194		245	258	271	297	310	336	349	375	388	414					
208			271	284	310	323	349	362	388	414	427					
219			284	297	323	336	362	375	401	414	440	453	479	505	518	544
230			284	310	336	349	375	388	414	427	453	466	492	505	531	544
240			297	323	336	362	375	401	414	440	466	479	505	518	544	557
245			310	323	349	362	388	401	427	440	466	479	505	531	544	570
259			323	336	362	375	401	414	440	453	479	505	518	544	557	583
273			336	349	375	388	414	427	453	479	492	518	531	557	570	596
289			349	375	388	414	427	453	466	492	505	531	544	570	583	609
295			349	375	401	414	440	453	479	492	518	531	557	570	596	609
305			362	388	401	427	440	466	479	505	531	544	570	583	609	622
324			388	401	427	440	466	479	505	518	544	570	583	609	622	648
356			414	440	453	479	492	518	531	557	570	596	622	635	661	674
371			427	453	466	492	505	531	557	570	596	609	635	648	674	687
377			440	453	479	492	518	531	557	583	596	622	635	661	674	700
406			466	492	505	531	544	570	583	609	622	648	661	687	700	726
426			492	505	531	544	570	583	609	622	648	661	687	700	726	752
457			518	531	557	583	596	622	635	661	674	700	713	739	752	778
479			544	557	583	596	622	635	661	674	700	713	739	765	778	804
490			544	570	596	609	635	648	674	687	713	726	752	765	791	804
508			570	583	609	622	648	674	687	713	726	752	765	791	804	830
533				609	635	648	674	687	713	739	752	778	791	817	830	856
558				635*	661	674	700	713	739	752	778	804	817	843	856	882
612				687*	713	726	752	778	791	817	830	856	869	895	908	934
630				713*	726	752	765	791	804	830	856	869	895	908	934	947
665				739*	765	791	804	830	843	869	882	908	921	947	960	986
714					817	830	856	869	895	908	934	960	973	999	1012	1038*
720					817	843	856	882	895	921	934	960	986	999	1025	1038*
762					856	882	908	921	947	960	986	999	1025	1038	1064*	1077*
813					908	934	947	973	999	1012	1038	1051	1077	1090	1116*	1129*
822					921	947	960	986	999	1025	1038	1064	1077	1103	1116	1142
914					1012	1038	1051	1077	1090	1116	1129	1155	1168	1194	1220	
1016							1155	1181	1194	1220						

Blank box - not made

414 Underlined - delivered hinged or halves (F1) according to request (F1 disallows AluCoat T)

427 Red - delivered only in halves (F1)

Not made with facings

Not made in 140 kg density

635\* Red with asterisk - not made in WR 140 kg density

Boundary of selection available with facing AluCoat T

Boundary of selection available as Pro Lock

# ACCESSORIES

## PAROC CLAD DOTS

Water resistant butyl rubber tape with very high adhesion and ageing resistance designed to cover pins' heads



### Application

- Maximum surface temperature where PAROC Clad Dots will be applied must not exceed 80 °C

Ø mm	Piece / roll	Rolls per box
90	100	6

## PAROC CLAD TAPE

Water resistant butyl rubber tape with very high adhesion and ageing resistance



### Application

- Recommended for closing joint on installations with Clad faced products.  
The butyl sealing tape can be used as moisture and diffusion barriers
- PAROC Clad Tape gives a great finish
- Maximum surface temperature where PAROC Clad Tape will be applied must not exceed 80 °C

Length mm	Width mm	Rolls per box
10000	30	20
10000	50	12
10000	75	8
10000	100	6

## PAROC CLAD ALU TAPE

Weather resistance acrylic tape based on a special thermoplastic laminate compound with pure aluminum and PVC



### Application

- The tape provides excellent ageing resistance and is ideal e. g. for sealing the joints of PAROC Clad faced elbows. Recommended for outdoor applications.
- Clad Alu Tape gives a great finish
- Maximum surface temperature where PAROC Clad Tape will be applied must not exceed 80 °C

Length m	Width mm	Rolls per box
50	50	12
50	75	18
50	100	12

## PAROC CLAD ALU DOTS

UV resistant tape made from 2-ply clad facing designed to cover pins' heads



### Application

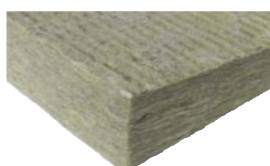
- Maximum surface temperature where PAROC Clad Dots will be applied must not exceed 80 °C



Ø mm	Piece / roll	Rolls per box
90	600	8

## PAROC PRO ROOF WEDGE (WR)

Stonewool wedge plate with a gradient of at least 3%. The length measure corresponds to the longitudinal direction of the duct



Thickness mm	Length mm	Width mm
25/60	600	1200
42/60	600	1200



# PAROC PRO PRODUCTS STANDARD COMPLIANCE

APRIL 2023



PAROC Products  
for industrial applications

NAME OF STANDARD			
	PAROC Pro Pipe Sections (WR) (AluCoat)	PAROC Pro Slabs (WR) (AluCoat)	PAROC Pro Mats (WR) (AluCoat) (AL1)
CINI	✓	✓	✓
FESI	✓	✓	✓
PSK	✓	✓	✓
VDI	✓	✓	✓
DIN	✓	✓	✓
AGI	✓	✓	✓
BS	✓	✓	✓
PN	✓	✓	✓
SSG	✓	✓	✓
Norsok	✓	✓	✓
NF	✓	✓	✓
ISO	✓	✓	✓
EN	✓	✓	✓
CE	✓	✓	✓
ASTM	✓	✓	✓
Keymark	✓	✓	✓
EUCEB	✓	✓	✓
VDMA	✓	✓	✓
Other	✓	✓	✓

Paroc follows above standards and can provide advice and support on request

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Applications: January 2025

1240TIEN0624

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