

## PAROC FPS 17a

### Fire protection slab



Certification Number	0809-CPR-1015 / Eurofins Expert Services Ltd, P.O. Box 1001, FI-02044 VTT, Finland
Designation Code	MW-EN13162-T5-DS(70,-)-WS-WL(P)-Z(6,00)
Short Description	Very rigid, stone wool slab with high fire performance.
Application	Fire insulation of steel structures, chimneys, doors, furnaces, ovens, etc.

PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000°C.

### Dimensions

Dimensions	
Width x Length	Thickness
600 x 1200 mm	20 - 120 mm
600 x 2400 mm	20 - 120 mm
1200 x 1200 mm	20 - 120 mm
1200 x 2400 mm	20 - 120 mm
In accordance with EN 822	In accordance with EN 823

Dimensional Stability		
Property	Value	According to
Dimensional Stability at Specified Temperature, DS(70,-)	≤ 1 %	EN 13162:2012 + A1:2015 (EN 1604)

### Packaging

Package Type	Plastic Packages on a Pallet or Loose Product on a Pallet
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### Fire Properties

Reaction to Fire		
Property	Value	According to
Reaction to Fire, Euroclass	A1	EN 13162:2012 + A1:2015 (EN 13501-1)

Continuous Glowing Combustion		
Property	Value	According to
Continuous Glowing Combustion	NPD	EN 13162:2012 + A1:2015

Other Fire Properties		
Property	Value	According to
Combustibility	Non-combustible	EN ISO 1182

Special structures may require a separate fire tests

## Thermal Properties

Thermal Resistance		
Property	Value	According to
Thermal Resistance	<a href="#">See attachment</a>	EN 13162:2012 + A1:2015
Thermal Conductivity $\lambda_D$	0,038 W/mK	EN 13162:2012 + A1:2015
Thickness Tolerance, T	T5	EN 13162:2012 + A1:2015 (EN 823)

Direct Airborne Sound Insulation Index		
Property	Value	According to
Air Flow Resistivity $AF_R$	NPD	EN 13162:2012 + A1:2015 (EN 29053)

## Moisture Properties

Water Permeability		
Property	Value	According to
Water Absorption, Short Term $W_S$ , $W_p$	$\leq 1 \text{ kg/m}^2$	EN 13162:2012 + A1:2015 (EN 1609)
Water Absorption, Long Term $W_L(P)$ , $W_{lp}$	$\leq 3 \text{ kg/m}^2$	EN 13162:2012 + A1:2015 (EN 12087)

Water Vapour Permeability		
Property	Value	According to
Water Vapour Resistance Z	6,00 $\text{m}^2\text{hPa/mg}$	EN 13162:2012+A1:2015
Water Vapour Transmission $MU$ , $\mu$	NPD	EN 13162:2012 + A1:2015

## Sound Properties

Acoustic Absorption Index		
Property	Value	According to
Sound Absorption	NPD	EN 13162:2012 + A1:2015 (EN ISO 354)

Impact Noise Transmission Index (for Floors)		
Property	Value	According to
Dynamic Stiffness SD	NPD	EN 13162:2012 + A1:2015 (EN 29052-1)
Compressibility	NPD	EN 13162:2012 + A1:2015

