

# PAROC Pro Wired Mat 100

(PAROC Wired Mat 100)



## Short Description

Stone wool wired mat. Available also with stainless steel net; code W2 will be added after the product name.

## Application

Fire and thermal insulation of cylindrical, conic and level surfaces.

## Technical Properties

### Nominal Density

100 kg/m<sup>3</sup>

### Maximum Service Temperature

750 °C

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

### Width x Length

width x 2000 - 8000 mm

### Other Dimensions

Width can be 500, 600, 900 or 1000 mm depending on the supplying factory.

### Thickness

30-120 mm

## Packaging

Plastic Packs on Pallet

## Fire Properties

**Reaction to Fire, Euroclass**  
A1

**In accordance with**  
EN 13501-1

## Thermal Properties

<b>Thermal Conductivity in 10 °C, <math>\lambda_{10}</math></b>	0.034 W/mK
<b>Thermal Conductivity in 50 °C, <math>\lambda_{50}</math></b>	0.039 W/mK
<b>Thermal Conductivity in 100 °C, <math>\lambda_{100}</math></b>	0.046 W/mK
<b>Thermal Conductivity in 150 °C, <math>\lambda_{150}</math></b>	0.055 W/mK
<b>Thermal Conductivity in 200 °C, <math>\lambda_{200}</math></b>	0.065 W/mK
<b>Thermal Conductivity in 300 °C, <math>\lambda_{300}</math></b>	0.090 W/mK
<b>Thermal Conductivity in 400 °C, <math>\lambda_{400}</math></b>	0.122 W/mK
<b>Thermal Conductivity in 500 °C, <math>\lambda_{500}</math></b>	0.160 W/mK

Values announced by manufacturer.

## Moisture Properties

Complies with the requirements set by BS 2972 Part 12

## Other Information

PAROC Wired Mat 100 can be used to satisfy the requirements as given in the tables for insulation thickness in BS5422:2009. Paroc can offer help and assistance to customers to confirm that the insulation systems proposed do in fact, achieve the necessary performance criteria. PAROC Wired Mat 100 conforms to BS3958-3.



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