

# PAROC Marine Wired Mat 100 AluCoat



## Short Description

Stone wool wired mat with reinforced aluminium foil facing

## Application / Marine

Fire insulation on ships.

## Technical Properties

### Nominal Density

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

### Maximum Operating Temperature

250 °C

Surface temperature of the facing must not exceed 80°C (temperature restriction determined in accordance with heat resistance adhesive).

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 - 6000 mm

### Other Dimensions

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

### Thickness

30-120 mm

## Thermal Properties

**Thermal Conductivity in 10 °C,  $\lambda_{10}$**  0.034 W/mK

**Thermal Conductivity in 50 °C,  $\lambda_{50}$**  0.039 W/mK

**Thermal Conductivity in 100 °C,  $\lambda_{100}$**  0.046 W/mK

**Thermal Conductivity in 150 °C,  $\lambda_{150}$**  0.055 W/mK

**Thermal Conductivity in 200 °C,  $\lambda_{200}$**  0.065 W/mK

**Thermal Conductivity in 300 °C,  $\lambda_{300}$**  0.090 W/mK

**Thermal Conductivity in 400 °C,  $\lambda_{400}$**  0.122 W/mK

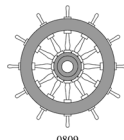
**Thermal Conductivity in 500 °C,  $\lambda_{500}$**  0.160 W/mK

Values announced by manufacturer.

## Installation

### Work Descriptions

M3.4 (SFS 3976)



Tolerances according to SFS 5454.

## Packaging

Plastic Packs on Pallet

### Package on Request

Pallet

## Fire Properties

### Marine Fire Classification

Non-Combustible

### Surface Flammability (Marine)

Low flame-spread

### In accordance with

IMO FTP Code Part 1

### In accordance with

IMO FTP Code Part 2 and 5



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