

# PAROC Marine Wired Mat 80



## Short Description

Stone wool wired mat. Also possible to use with facings AluCoat, G1, G2 and G3. See "Facings".

## Application / Marine

Fire and thermal insulation on ships.

## Technical Properties

### Nominal Density

80 kg/m<sup>3</sup>

### Maximum Operating 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 - 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,  $\lambda_{10}$**  0.035 W/mK

**Thermal Conductivity in 50 °C,  $\lambda_{50}$**  0.040 W/mK

**Thermal Conductivity in 100 °C,  $\lambda_{100}$**  0.047 W/mK

**Thermal Conductivity in 150 °C,  $\lambda_{150}$**  0.056 W/mK

**Thermal Conductivity in 200 °C,  $\lambda_{200}$**  0.067 W/mK

**Thermal Conductivity in 300 °C,  $\lambda_{300}$**  0.093 W/mK

**Thermal Conductivity in 400 °C,  $\lambda_{400}$**  0.127 W/mK

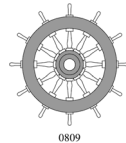
**Thermal Conductivity in 500 °C,  $\lambda_{500}$**  0.167 W/mK

Values announced by manufacturer.

## Installation

### Work Descriptions

M3.1 (SFS 3976)



Tolerances according to SFS 5454.

## Packaging

Plastic Packs on Pallet

## Fire Properties

### Marine Fire Classification

Non-Combustible

### In accordance with

IMO FTP Code Part 1



**PAROC OY AB**, P.O. Box 47 (Läkkisepäntie 23), FI-00621 Helsinki Finland, Tel. +358 46 876 8000, Fax +358 46 876 8002, [www.paroc.com](http://www.paroc.com)

The information in this data sheet represents the sole and comprehensive description of the condition of the product and its technical properties. However, the content of this data sheet does not mean granting a commercial guarantee. In so far as the product is used in an area of use which is not provided for in this data sheet, we cannot warrant its suitability for said area of use unless the suitability was expressly confirmed by us upon request. This data sheet replaces all previous ones. As a result of constant further development of our products we reserve the right to make alterations to data sheets. PAROC and red and white stripes are registered trade marks of Paroc Oy Ab. © Paroc Group 2009.