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# PAROC Pro Lamella Mat AluCoat

(PAROC Lamella Mat 50 AluCoat)



## Short Description

Stone wool lamella mat with a reinforced aluminium foil facing.

## Application

Thermal and condensation insulation of air ducts and other ventilation ducts and equipment.

## Application / Marine

Thermal insulation for ducts.

## Technical Properties

### Nominal Density

50 kg/m<sup>3</sup>

### Maximum Service Temperature

250 °C

The surface temperature of the facing must not exceed +80°C (temperature restriction determined in accordance with the heat resistance of 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

### Thickness

20-120 mm

Tolerances according to SFS 5454.

## Packaging

Plastic

### Package on Request

Pallet

## Fire Properties

### Reaction to Fire, Euroclass

A2 - s1, d0

### Marine Fire Classification

Non-Combustible

### Surface Flammability (Marine)

Low flame-spread

### In accordance with

EN 13501-1

### In accordance with

IMO FTP Code Part 1

### In accordance with

IMO FTP Code Part 2 and 5

## Thermal Properties

**Thermal Conductivity in 10 °C,  $\lambda_{10}$**  0.039 W/mK

**Thermal Conductivity in 100 °C,  $\lambda_{100}$**  0.053 W/mK

**Thermal Conductivity in 200 °C,  $\lambda_{200}$**  0.085 W/mK

Values announced by the manufacturer.

## Mechanical Properties

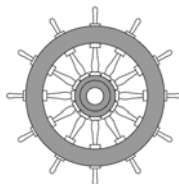
**Compressive stress at 10 % deformation (Declared), CS(10), In accordance with (□10)**

≥6 kPa

EN 826

## Other Information

PAROC Pro Lamella Mat AluCoat 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 Pro Lamella Mat AluCoat conforms to BS3958-5.



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