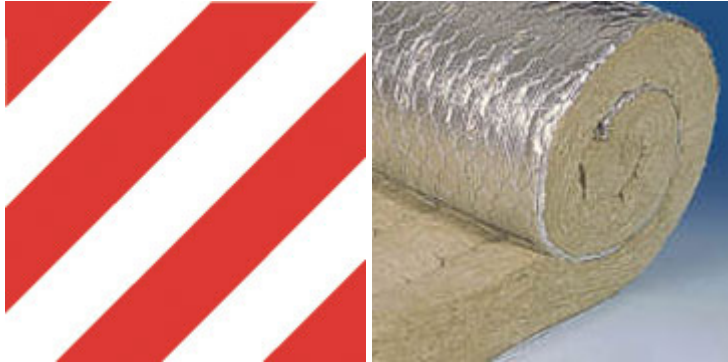


PAROC Wired Mat 100 AluCoat



Short Description

Stone wool wired mat with reinforced aluminium foil facing

Application

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

Technical Properties

Nominal Density

100 kg/m³

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

2000 x 6000 mm

Thickness

30-120 mm

Other Dimensions

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

Packaging

Package Type

Plastic Packs on Pallet

Fire Properties

Reaction to Fire, Euroclass

A2

In accordance with

EN 13501-1

Combustibility

Base product non-combustible

In accordance with

EN ISO 1182

Thermal Properties

Thermal Conductivity in 10 °C, λ_{10} 0.034 W/mK

Thermal Conductivity in 50 °C, λ_{50} 0.039 W/mK

Thermal Conductivity in 100 °C, λ_{100} 0.046 W/mK

Thermal Conductivity in 150 °C, λ_{150} 0.055 W/mK

Thermal Conductivity in 200 °C, λ_{200} 0.065 W/mK

Thermal Conductivity in 300 °C, λ_{300} 0.090 W/mK

Thermal Conductivity in 400 °C, λ_{400} 0.122 W/mK

Thermal Conductivity in 500 °C, λ_{500} 0.160 W/mK

Values announced by manufacturer.

Moisture Properties

Complies with the requirements set by BS 2972

Environment

PAROC Wired Mat 100 AluCoat can be used to satisfy the requirements as given in the tables for Environmental Thickness in BS5422. 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 AluCoat conforms to BS3958-4.



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Warranty: Our recommendations are based on our most up-to-date knowledge and experience. As the products are used outside our control we cannot take responsibility for any damage which may be caused when using the product. This product data sheet replaces all earlier ones. Because of constant development all information is subject to change without notice.