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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/m³

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

Packaging

Plastic Packs on Pallet

Fire Properties

Reaction to Fire, Euroclass

A1

Fire Classification

Non-combustible

Fire Classification (in Application)

Fire insulation for air ducts.

In accordance with

EN 13501-1

In accordance with

BS 476 Part 4

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 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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