

# PAROC Fire Slab 80



## Short Description

Stone wool slab for fire insulation constructions.

## Application

Fire protection of rectangular ventilation ducts and chambers.

## 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**  
600x1200 mm

**Thickness**  
50-100 mm

### Other Dimensions

Other dimensions subject to enquiry.

## Packaging

### Package Type

Plastic Packs

### Package on Request

Obtainable also on pallets

### Pallet Size

1200x1800

## Fire Properties

### Reaction to Fire, Euroclass

A1

### In accordance with

EN 13501-1

### Fire Classification (Additional)

Fire insulation of air ducts and equipments

## Thermal Properties

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

**Thermal Conductivity in 50 °C,  $\lambda_{50}$**  0.038 W/mK

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

**Thermal Conductivity in 150 °C,  $\lambda_{150}$**  0.054 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,  $\lambda_{400}$**  0.123 W/mK

**Thermal Conductivity in 500 °C,  $\lambda_{500}$**  0.162 W/mK

Values announced by manufacturer.

## Mechanical Properties

### Compressive Stress at 10 %

**deformation (Declared), CS(10), In accordance with ( $\sigma_{10}$ )**

≥7 kPa

EN 826



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