

Ufire 850 MI

Protector coating against fire

Protector coating against fire from the waterproof membrane USEAL 800 / **Pavimper**, forming part of the tunnel system USEAL series 800.



Product

- Mortar for mounting and rejoin.
- High temperatures resistant.
- Ideal for refractory breaks placement.

Observations

- Fire protection mortar, it is applied over structures of concrete, crossbars, pillars, profiles...
- Indoors and outdoors.

Characteristics

- Rest time after the kneading: 2 min.
- Mass life time: ± 40 minutes
- Correction time: ± 20 minutes
- Setting start: 4-5 hours
- Startup: 4-5 day

**These times are contemplated with 20°C and they can oscillate depending on the ambient temperature.*

Performances

- Dust density: 1.6 g/cm³
- Kneading water (in laboratory): 12%
- Retraction: ≤ 0.7 mm/m
- Flexural strength: ≥ 4 N/mm²
- Compression: ≥ 30 N/mm²
- Elasticity module: 45000
- Thermal resistance maximum temperature: 1000°C (during 24 hours)
- Adherence over concrete: ≥ 2.5 N/mm²
- Adherence over Useal 800 / **Pavimper**: > 1.5 N/mm²
- Adherence over ceramic support: ≥ 0.8 N/mm² (support breaks)
- Behavior against fire: A1 euroclass

** These results have been obtained with standard essays and they can oscillate depending on the workplace conditions.*

Enforcements

- Special coating for protection of waterproof membrane, **Useal 800 / Pavimper**, against fire, submitted to high temperatures.
- Special coating for mounting and anchorage of refractory brick, massif or empty, terracotta that are submitted to high temperatures: barbecues, firewood ovens, chimneys...
- For mounting or rejoin of brickworks Works in contact with aggressive or acid waters, alimentary industry, drains pipelines, sanitations and industrial wastes.
- Manual application or mechanical application.
- Indoors and outdoors.

Recommendations

- Application temperatures from 5 -30°C.
- The water percentage can oscillate depending on the used mixer.
- Do not apply the mortar with rain risk, frost or strong wind.

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Execution conditions

- The support must be healthy and clean, without greases, oils...
- Clean the pieces to be used, to secure a good adherence.
- With high temperatures or strong wind, moisten previously the support.
- It is advisable to moisten the mortar, in the following 24 hours to its application.
- Avoid application with strong direct sunlight.

Usage way

Projected with machine:

Knead with 12-16% water, until obtaining a homogeneous and constant mass.

Manual kneading:

Mix a sack (25 kg) with 3 – 4 clean water liters, until obtaining a homogeneous mass without lumps.

Apply the mortar with the proper tool in regular and continuous thicknesses.

Before the setting start, smooth with a fugues palette.



Packaging

25 kg sack
1200 kg pallet (48 sacks)

Color

Dark grey
Others on demand

Consumption

15 – 20 kg/m² and mm thickness

Preservation

In the closed original container and sheltered from outdoors and humidity: 1 year

⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.