



General Information

Intumex® FC Fire Cement is a hard setting, one component cement (mix with water).

Intumex® FC Fire Cement is fire resistant and has been tested in walls and floors and achieved 4-hour fire ratings. Please consult the installation instructions contained on every bag of Intumex® FC. (NOTE: Insulation achieved will be dependent upon the building element and type of service.)

Un-reinforced and reinforced Intumex® FC Fire Cement has been tested for loadbearing capacity. Please consult the installation instructions contained on every bag of Intumex® FC.



General Information

Intumex® FC Fire Cement can be used to seal openings through which building services pass when installed in accordance with the installation instructions.

Intumex® FC Fire Cement can also be used for unpenetrated barriers.

Properties

- High fire resistance up to 4 hours integrity and insulation (-/240/240).
- Easily mixed with water to chosen consistency.
- Does not shrink whilst curing or when exposed to fire.
- Good load bearing performance when installed in the correct manner, please consult Intumex Asia Pacific for details.
- Sets within 2 to 3 hours.
- Hard white finish.
- Can be readily cut or drilled and resealed, allowing installation of additional services after completion.

Packaging

Supplied in re-inforced paper bags, 20kg in weight.



Intumex® FC - Fire Cement

Applications

- Intumex® FC Fire Cement should not be installed at temperatures below +5°C.
- Do not attempt to remix by adding more water after the compound has started to set.
- Do not use a mix ratio of less than 2 (powder) : 1.33 (water).

Technical Data

- Colour White
- Consistency Powder
- Density (nominal)
 - Loose 730 kg/m³
 - Wet cast 1450~1650 kg/m³
 - Cured 950~1100 kg/m³
- Consumption (dry cement) Cured density: 0.95~1.1 kg/m² per mm thickness
- Mixing ratio
 - Pouring mix for floors is 2kg of powder: 1.8kg of water
 - Packing mix for walls is 2kg of powder: 1.35kg of water
- Expansion on setting 0.1% (approximate)
- Thermal conductivity 0.2 W/mK
- Flexural strength 1~3 N/mm² (varies with water content)
SEE NOTE ON PAGE 4 concerning loadbearing capacity
- Compressive strength 5.4 N/mm² (varies with water content)
- Curing time 2~3 hours
- Pot life 20~40 minutes
(depending on consistency of mix and weather conditions)

Storage

- Store in a cool dry place.
- Protect from heat and frost.
- Sealed bags can be stored for 12 months.
- Opened bags should be resealed and used within 24 hours. In some humid climates this time can be dramatically reduced.

Safety Measures

- Avoid contact with eyes and food. Read Safety data sheet before using.