

MasterFlame[®] JS 225

High performance, intumescent, firestop sealant

DESCRIPTION

MasterFlame JS 225 is a graphite based intumescent firestop sealant which when exposed to fire strongly expands protecting penetrations including cables, cable bunches, cable trays, plastic and metallic pipes.

MasterFlame JS 225 maintains the integrity and insulation performance of the seal through masonry, plasterboard and pre-coated firestop board **MasterFlame B 302**.

MasterFlame JS 225 has excellent non-slump properties coupled with ease of application.

TYPICAL APPLICATIONS

MasterFlame JS 225 is intended for use in service penetrations through walls and floors where fire integrity and insulation needs to be preserved. Under fire conditions the product swells and exerts pressure to the surrounding substrates leading to closure of the penetration. The integrity and insulation is then maintained by the stability of the remaining product char.

ADVANTAGES

- Suitable for use in block wall, concrete, masonry, plasterboard and pre-coated firestop board **MasterFlame B 302**
- Tested in linear joints up to 20mm wide
- Tested in large service openings up to 300 x 100mm and 200 x 200mm
- Tested with insulated metallic pipes, cables, cable bunches (inc telecommunication), cable trays and cable ladders
- Tested with combustible pipes up to 125mm dia - PVC, HDPE and ABS
- Tested for use with sealing Armaflex and glass wool insulation
- Suitable for use in irregular applications
- Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components
- Easy clean up with water and is odorless
- Long life and paintable
- Smoke, gas, water and air tight
- High expansion ratio to close openings
- Resists fungi and vermin

PACKAGING AND COLORS

MasterFlame JS 225 is supplied in 310ml cartridges 25 per box, 600ml sausage 15 per box and available in Black.

STANDARDS

EN 13501-2
 EN 1366-3
 EN 1366-4
 ISO 11600



TYPICAL PROPERTIES*

Property	Test Method	Results
Specific gravity		1.23-1.33 g/cm ³
Cure time		1.7mm per 24hrs
Fire Resistance	EN 1366-3 EN 1366-4	Upto 4 hours Upto 2 hours
Air Permeability	EN 1314-1 (to 600Pa)	100 Pa 11.1/16.7 m ³ /m ² /h
Plastic pipe types covered		PVC, HDPE and ABS
Shore Hardness A	ISO 7619-1: 2010	68
Expansion Onset Temperature		180°C
Expansion		Up to 20 times
Skin time @ 25°C / 50%RH		15 minutes
pH		8 – 9

INSTALLATION

- Ensure the opening and any substrate which the product will come into contact with is clean, free from dust, loose particles, oil and grease.
- Mineral wool (min 80kg/m³) or PE backing rod can be used as a backer.
- Sealant should be applied around the service on both exposed faces using the table as in the method statement.
- The sealant can be tooled and smoothed with a pallet knife using water.

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- All dimensions and tolerances should be in line with the recommended guidelines as dictated by the relevant test data and assessments.

For full installation details and technical support please contact Master Builders Solutions Technical Services department or refer to our method statement.

APPLICATION TEMPERATURE RANGE

Minimum	+5°C
Maximum	+40°C

STORAGE AND SHELF LIFE

MasterFlame JS 225 has a shelf life of 18 months from production date when stored indoors, ideally in dry frost free conditions, between +5°C and +30°C.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

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NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

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Disclaimer: the TUV mark relates to certified management system and not to the product mentioned on this datasheet



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