

MasterFlame[®] JS 110

Firestop and acoustic sealant

DESCRIPTION

MasterFlame JS 110 is a single component acrylic based joint sealant. It is designed to resist the passage of fire, smoke, air and sound. It has a good unprimed adhesion to wide variety of common building substrates.

TYPICAL APPLICATIONS

MasterFlame JS 110 is used to reinstate the fire resistance performance of wall and floor constructions where they have been provided with openings for the penetrations of multiple services, also to form linear gap seals where gaps are present within the wall and floor constructions and linear joints where wall and floor constructions abut.

MasterFlame JS 110 is used for sealing **MasterFlame B 302** pre-coated fire stop boards.

ADVANTAGES

- Fire resistance tested in flexible walls, rigid walls and floors.
- Tested in linear joints up to 50mm wide.
- Tested in large service openings up to 490 x 150mm.

- Tested with metallic pipes, cables, cable bunches, cable trays and cable ladders.
- Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components.
- For use in low movement joints, remains flexible.
- Halogen free, resists fungi and vermin.
- Paintable system not tested for fire protection properties.
Compatibility of paints needs to be checked before application.

PACKAGING AND COLORS

MasterFlame JS 110 is supplied in 310ml cartridges 25 per box and available in White and Grey colors.

STANDARDS

EN 13501-2
 EN 1366-3 2009
 EN 1366-4 2006



TYPICAL PROPERTIES*

Property	Test Method	Results
Specific gravity	ISO 2811-1: 2011	1.52-1.62g/cm ³
Cure rate at 50% relative humidity 23°C		3mm per day
Tack free		30 mins at 23°C, 50% RH
Joint Movement	EN 1366-4:2006 + A1:2010	Remains flexible ±7.5%
Fire resistance	EN 1366-3 EN 1366-4	Upto 2 hours Upto 4 hours
Acoustic rating	EN ISO 10140-2:2010	upto 61dB
Air Permeability	EN 1314 (to 600Pa)	100Pa 0.0/0.0 m ³ /m ² /h

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FIRE PERFORMANCE

Floor & Wall Joint Size	Backing	Gap Face Material	Integrity Rating	Insulation Rating (mins)	Linear Metres per Cartridge
10mm x 10mm	PE Closed Cell Foam	AAC/AAC	300	300	3.1
20mm x 10mm	PE Closed Cell Foam	AAC/AAC	300	300	1.55
30mm x 15mm	PE Closed Cell Foam	AAC/AAC	300	215	0.69
40mm x 20mm	PE Closed Cell Foam	AAC/AAC	300	214	0.39
50mm x 25mm	PE Closed Cell Foam	AAC/AAC	300	214	0.25
20mm x 15mm	PE Closed Cell Foam	AAC/STEEL	300	91	1.03
30mm x 15mm	PE Closed Cell Foam	AAC/STEEL	300	91	0.69

* Insulation in floor reduces by 50%, however Integrity remains the same

APPLICATION GUIDELINES

- Clean all joints free from dust, oil and grease.
- Mask surrounding surfaces if necessary.
- In linear movement or construction joints avoid 3-sided adhesion by using a closed cell polyethylene joint backer rod. This also assists in regulating and achieving the correct joint depth.
- Fill gap to the required depth, tool off for a smooth finish.
- Minimum depth to be 6mm

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 110 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

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

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