

# MasterFlame<sup>®</sup> JS 125

## Elastomeric firestop sealant

### DESCRIPTION

**MasterFlame JS 125** is a one-part neutral curing fire resistant silicone sealant. It has good adhesion to porous and non-porous substrates used in the construction industry and excellent weatherability, flexibility and it is odorless.

**MasterFlame JS 125** is a high-performance fire rated silicone sealant for fire sealing applications up to 60mm wide.

### TYPICAL APPLICATIONS

**MasterFlame JS 125** can be used for fire protection on sealing of expansion joints, door frames, block work walls and external ACP joints (Aluminium Composite Panel), etc.

### ADVANTAGES

- Fire resistant up to 4 hours in both horizontal and vertical joints
- Can be used in joints up to 60mm wide
- Non-slump, easy to apply and tool off
- No priming required for most substrates
- Highly flexible and waterproof
- High movement capability and excellent elastic recovery for long life elastic sealing of movement joints
- Excellent UV resistance and color stability
- Excellent weatherability with long life expectancy
- Internal and external use

### PACKAGING AND COLORS

**MasterFlame JS 125** is supplied in boxes of 15 x 600 ml sausages and available in White, Grey and Black.

### STANDARDS

EN 13501-1  
 EN 13501-2  
 EN 1366-4 : 2006  
 ISO 11600  
 NFPA 285 Listed Component



### TYPICAL PROPERTIES\*

Property	Test Method	Results
Specific gravity		1.33-1.37 g/cm <sup>3</sup>
Shrinkage		Approximately 5%
Cure rate (25°C 50% RH)		3mm per day
Tack free (25°C 50% RH)		20 mins
Joint Movement		±25% of original joint size
Fire Resistance	EN 1366-4	Upto 4 hours
Acoustic rating	EN 10140-2 : 2010	38dB
Air Permeability	EN 1314-1 to 600Pa	100 Pa 2.8/5.6 m <sup>3</sup> /m <sup>2</sup> /h
Elastic Recovery		>90%

### INSTALLATION

- 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 an open 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.

# MasterFlame<sup>®</sup> JS 125

## FIRE PERFORMANCE

Joint Size Width x depth	Backing	Joint configuration	Integrity Rating (mins)	Insulation Rating (mins)	Linear Metres per Sausage
6mm x 10mm	PE Closed Cell Foam	Single Seal	60	30	10
6mm x 10mm	PE Closed Cell Foam	Dual Seal	240	240	5.0
10mm x 10mm	PE Closed Cell Foam	Single Seal	60	30	6.0
10mm x 10mm	PE Closed Cell Foam	Dual Seal	240	240	3.0
15mm x 10mm	PE Closed Cell Foam	Single Seal	120	90	4.0
15mm x 10mm	PE Closed Cell Foam	Dual Seal	240	240	2.0
20mm x 10mm	PE Closed Cell Foam	Single Seal	120	90	3.0
20mm x 10mm	PE Closed Cell Foam	Dual Seal	240	240	1.5
25mm x 10mm	PE Closed Cell Foam	Single Seal	120	90	2.4
25mm x 10mm	PE Closed Cell Foam	Dual Seal	240	240	1.2

## APPLICATION TEMPERATURE RANGE

Minimum	+5°C
Maximum	+40°C

## STORAGE AND SHELF LIFE

**MasterFlame JS 125** has a shelf life of 12 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.

® = Registered trademark of the MBCC Group in many countries.

MBS\_CC-UAE/FI\_JS\_125\_02\_18/v1/05\_21

### 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

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.

**Master Builders Solutions**  
**Construction Chemicals LLC**  
 P.O. Box 37127, Dubai, UAE  
 Tel: +971 4 8090800  
[www.master-builders-solutions.com/en-ae](http://www.master-builders-solutions.com/en-ae)

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



A brand of  
**MBCC GROUP**