

MasterFlame[®] C 3005

Flexible firestop coating

DESCRIPTION

MasterFlame C 3005 is a water based elastomeric acrylic coating.

MasterFlame C 3005 has excellent firestop, water, air permeability and elastomeric properties offering upto 50% movement.

MasterFlame C 3005 is ideal for spray, trowel, brush & pouring applications and remains flexible to permit thermal and mechanical movement of services and the building structure.

At normal temperatures, **MasterFlame C 3005** remains highly flexible. The product is unaffected by oil, fungus and contains no halogens, asbestos and contains low VOC's.

TYPICAL APPLICATIONS

MasterFlame C 3005 has been developed for use on stone wool or elastomeric base. Once the **MasterFlame C 3005** is applied it prevents the passage of fire, smoke and sound between fire rated compartments giving a fire resistance tested to EN 1366-4 EI 120.

Can be installed in to voids / cavities up to 500mm wide.

ADVANTAGES

- Joint movement capability of +/- 50%
- Dynamic movement testing 500 cycles per 30 minutes
- Highly flexible and water resistant
- Halogen free, resists fungi and vermin
- Can be spray, brush, pour or trowel applied
- Ideal for slab edge applications, head of wall and movement installations
- Suitable for voids up to 500mm wide
- Install on base of 80kg/m³ stone wool

PACKAGING AND COLORS

MasterFlame C 3005 is supplied in 20kg unit and available in White.

STANDARDS

EN 13501-2
 EN 1366-4



TYPICAL PROPERTIES*

Property	Test Method	Results
Specific gravity		1.3-1.4 g/cm ³
Cure Rate at 50% relative humidity 23°C		0.5mm per day
Tack free at 23°C, 50% RH		6 hours
Fire Resistance	EN 1366-4	Upto 4 hours
Acoustic rating	EN ISO 10140-2:2010	40dB when installed with 100mm thick 80kg/m ³ stone wool. 49dB when installed with 200mm thick 80kg/m ³ stone wool.
Air Permeability	EN 1314 (to 600Pa)	100Pa 0.4/1.5 m ³ /h/m ²
Water Permeability 300 Pa EN 1027		No Leakage
Movement @ 500 cycles per 30 mins		50% expansion and compression
Coating thickness		2.5mm nominal wet coating thickness

APPLICATION GUIDELINES

- Use rubber gloves and eye protection to avoid skin and eye contact.
- Apply stone wool to opening, 80kg/m³, 100mm thick.
- Apply **MasterFlame C 3005** via spray, brush, pour or trowel application.
- If over 250mm wide install a bracket.
- Maintain record of installation.

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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

COVERAGE / YIELD

1.3-1.4kg/m² at 1mm dft.

STORAGE AND SHELF LIFE

MasterFlame C 3005 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.

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STATEMENT OF RESPONSIBILITY

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NOTE

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