

Intumescent Acoustic Mastic

Thermoguard Intumescent Acoustic Mastic is a one-part intumescent acrylic mastic for sealing gaps around fire doors, window frames and for sealing joints, voids and irregular holes in fire rated structures. The sealant forms a char, preventing the passage of fire and smoke, when exposed to the heat of a fire.

- Tested around metallic pipes, cable trays, cable bunches, small, medium and large cables
- Tested in Block Wall, Concrete, Masonry and Plasterboard Partition
- Suitable for flexible walls, rigid walls & floors
- Tested in Linear Joints up to 60mm wide
- Tested in large service openings up to 490 x 150mm
- Tested for sealing of linear joints in concrete floors, masonry walls and plasterboard including head of wall details up to 60mm
- Sealant remains flexible after installation
- The mastic has been independently tested in accordance with BS476 and EN requirements - please refer to the Performance Table below
- It has good unprimed adhesion to a wide variety of common building substrates, although it is recommended that a small area is tested on unusual substrates

Features & Benefits

- CE Marked
- Certifire Approved
- UL-EU Listed
- Tested in accordance with EN 1366-3 : 2009 and EN 1366-4 : 2006
- Fire Classification to EN 13501-2
- Acoustic Isolation to EN 10140 to 63dB
- Air Permeability testing to EN 1026 to 600Pa - 100Pa 0.0/0.0 m³/h/m²
- Mechanical Adhesion and Tensile testing to EN ISO 8039 & EN ISO 9046
- VOL-LEED 4.1 (NC-2009 IEQc4.1)
- Tested with Metallic Pipes, Cables, Cable Bunches, Cable Trays and Cable Ladders
- Causes no known adverse effects to plastic pipes, plastic cables, sheathing or metallic components
- Joint movement capabilities
- Halogen free, resists fungi and vermin
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Fire Performance

The fire resistance tests have been achieved through testing in accordance to EN 1366-3 : 2009 and EN 1366-4 : 2006 and are specific to the conditions of the tests. They do, however, provide a good indication of the expected performance of the sealant in fire situations.

General Product Description

Intu Mastic is an acrylic based sealant used to reinstate the fire resistance performance of wall and floor constructions where they have been provided with apertures for the penetrations of multiple services and to form linear gap seals where gaps are present in wall and floor constructions and linear joints where wall and floor constructions abut.

Intu Mastic has slight intumescent properties that cause it to swell on heating.

The sealant is gunned or trowelled into the aperture in or between the separating elements/elements to a specific depth utilising various backing materials.

A polyethylene backing rod can be utilised as a depth gauge. Reaction to Fire classification 'F'

The intended use of system Intu Mastic is to reinstate the fire resistance performance of gaps in and joints between rigid and flexible wall constructions, gaps in and joints between rigid floor constructions.

The specific elements of construction that the system Intu Mastic may be used to provide a gap or joints seal in, are as follows:

Rigid Floors

The floor must have a minimum thickness of 150mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650kg/m³.

Rigid Walls

The wall must have a minimum thickness of 100mm and comprise concrete, aerated or masonry, with a minimum density of 650kg/m³.

Flexible Walls

The wall must have a minimum thickness of 100mm and comprise timber or steel studs lined on both faces with minimum 2 layers of 12.5mm thick, 'Type F' Gypsum boards according to EN 520. In timber stud walls, no part of the penetration shall be closer than 100mm to a stud, the cavity must be closed between the penetration seal and the stud and minimum 100mm of insulation of class A1 or A2 according to EN 13501-1, is provided within the cavity between the penetration seal and the stud.

Intu Mastic is required to seal all joints and junctions during the sealing process of Batt. Coated Batt are 50mm thick and supplied in overall dimensions 1200mm x 600mm with a density 140kg/m³ and is subject to a separate ETA referenced 14-0099.

The Supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

The system Intu Mastic may be used to provide a linear joint or gap seal with specific supporting constructions and substrates and as a penetration seal.

The maximum permitted joint/gap width for system Intu Mastic is 50mm. The maximum movement capability of system Intu Mastic is $\leq 7.5\%$

Intu Mastic has been tested in accordance with EOTA Technical Report - TR024 - Edition November 2006, for the type Z1, use category specific in ETAG 026-3 (used as European Assessment Document, EAD). The results of the tests have demonstrated suitability for Penetration Seals and Linear Gap Joints.

Type Z : Intended for use in internal conditions with humidity equal to or higher than 85% RH excluding temperatures below 0°C, without exposure to rain or UV.