

Promat



PROMASEAL® Supa Mastic



PROMASEAL® Supa Mastic is a single part, fire resistant flexible sealant developed for internal and external use where movement, water and UV resistance is a priority. When cured it will form a flexible seal capable of expansion and compression movement. PROMASEAL® Supa Mastic is virtually unaffected by normal weathering conditions once cured in dry ambient conditions.

PROMASEAL® Supa Mastic bonds to many substrates and remains flexible after curing. Prior to application, all surfaces must be free of dust, powders, oil, grease or other contaminants. If there is any doubt about cleanliness or if movement is a high priority all surfaces should first be sealed with a suitable primer, e.g. Gripset P10.

Advantages

- Fire resistant
- Fungicide resistant
- Acoustic properties
- Can be over-painted
- High movement
- Water resistant when cured
- UV stable
- VOC levels less than detectable limits
- Good bonding to a variety of substrates

Specification

In all applications where sealant is required in fire resistant bushfire roof installation, use PROMASEAL® Supa Mastic as detailed in the manufacturer's instructions, as tested to AS 1530.8: Part 2: 2007 in accordance with the requirements of AS 3959: 2009.

Surface Preparation

Backing material should be open cell PU backer rod.

All surfaces must be clean and free from all contaminants including but not limited to oil, dust, powders, grease, water, dirt or chemicals.

Where water ingress and/or high movement capabilities are important, a suitable primer (e.g. Gripset P10) must be applied to adjoining surfaces in accordance with the primer manufacturer's instructions.

Packaging

PROMASEAL® Supa Mastic is grey in colour and available in 600ml foil packs, 12 foil packs per carton.

Primer

Promat recommends Gripset P10 as a primer for use in increasing the bond between PROMASEAL® Supa Mastic and all mineral based surfaces/substrates, including concrete, masonry and concrete blocks. The primer can also be used in bonding to cement sheeting.

One coat of Gripset P10 is sufficient for these applications.

Gripset P10 is not recommended for metal surfaces/substrates. If needed, the metal surface must be oil free and the adhesion of the primer over the metal type must be properly ensured. Please consult Promat for details.

Coverage

Calculation formula for a 600ml foil pack:

W = Width of joint in mm
 D = Depth sealant to be applied in mm
 L = Length to be applied in metre

$$\frac{W \times D \times L}{600} = \text{number of foil pack}$$

$$\frac{600}{W \times D} = \text{metres per foil pack}$$

The coverage is approximate only and is per linear metre.

Performance Properties

Appearance	Viscous paste
Colour	Grey
Effect of water*	No cracking, peeling or blistering
Humidity exposure	No cracking, peeling or blistering
Heat aging	No cracking, peeling or blistering
Accelerated weathering	No cracking, peeling or blistering
Shore hardness A*	Ave 41
Tensile strength*	Ave. 0.9 MPa
Elongation at break*	Ave 20.6%
VOC	Less than detectable limits

Approvals & Standards

AS 1530.4: 2005, AS 1530.8: Part 2: 2007 and ISO 9046.

*ASTM D870, ASTM D1735, ASTM D5510, SAE J1960, ASTM D2240 and ASTM D412.

PROMASEAL® Supa Mastic has been tested to ISO 9046 Second edition 2001 for joint movement and achieved a total joint movement of ±37.5%.

Application

PROMASEAL® Supa Mastic is dispensed throughout an appropriate barrel gun (picture example below).

One end of the foil pack is snipped off and the unsnipped end of the foil pack is placed into the gun first. The trigger end cap is screwed on and a nozzle with suitable aperture is screwed in place. The sealant is extruded by depressing the trigger and should be applied in a continuous bead filling the joint. Pressure is released by depressing the catch plate.



The empty foil pack must be disposed of in site rubbish bins in accordance with relevant local legislation.

Storage

- Store undercover between 5°C and 30°C.
- Shelf life of unopened foil packs is 12 months.

Environmental

Clean up any uncured material immediately with sand or methylated spirits. Always use skin and eye protection when using solvents and follow the manufacturer's instructions for use, safety, storage and disposal.

Health & Safety

- Avoid contact with skin, eyes and avoid breathing vapours.
- Wear protective clothes when using the product.
- If ingestion occurs contact a doctor, do not induce vomiting.
- If skin or eye contact occurs wash thoroughly with running water for 15 minutes and see a doctor

Limitation

PROMASEAL® Supa Mastic should not be applied using wet tooling methods. Use of solvents, water or detergent based liquids is not recommended.

PROMASEAL® Supa Mastic should not be applied to surfaces with special coatings, e.g. glass, teflon, polypropylene. Please consult with the manufacturer if in doubt.

Curing of PROMASEAL® Supa Mastic will be affected by weather conditions prevalent during curing and should therefore be kept dry for 14 days after installation.