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 contaminates. 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 risk 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
Backsheet 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. The primer manufacturer must be consulted if in doubt.

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 substrates/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:

\[
W = \text{Width of joint in mm} \\
D = \text{Depth sealant to be applied in mm} \\
L = \text{Length to be applied in metre} \\
W \times D \times L = \text{number of foil pack} \\
\frac{W \times D}{600} = \text{metres per foil pack} \\
\frac{W \times D}{600} = \text{number of foil pack}
\]

The coverage is approximate only and is per linear metre.

Performance Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Viscous paste</td>
</tr>
<tr>
<td>Colour</td>
<td>Grey</td>
</tr>
<tr>
<td>Effect of water*</td>
<td>No cracking, peeling or blistering</td>
</tr>
<tr>
<td>Humidity exposure*</td>
<td>No cracking, peeling or blistering</td>
</tr>
<tr>
<td>Heat aging*</td>
<td>No cracking, peeling or blistering</td>
</tr>
<tr>
<td>Accelerated weathering*</td>
<td>No cracking, peeling or blistering</td>
</tr>
<tr>
<td>Shore hardness A*</td>
<td>Ave 41</td>
</tr>
<tr>
<td>Tensile strength*</td>
<td>Ave 0.9 MPa</td>
</tr>
<tr>
<td>Elongation at break*</td>
<td>Ave 20.6%</td>
</tr>
<tr>
<td>VOC</td>
<td>Less than detectable limits</td>
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</tbody>
</table>

Approvals & Standards

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.

Environment
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 cloves 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.

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