



FULASEAL™

Description

Fulaseal is a one part, water based construction sealant for general purpose sealing and waterproofing of joint.

Benefits

- Paintable
- +/- 25% joint movement capability
- Non flammable
- Water clean up
- Non toxic
- Excellent Acoustic properties
- Complete compatibility with quality latex paints – will not stain adjacent surfaces
- Superb colour stability
- Excellent UV stability and weather resistance
- Australian Made

Uses

- Exterior and interior joints in tilt-up and pre-cast concrete panels.
- Sealant for joints in aluminium and steel frames
- Interior and exterior sealant for general gaps and cracks around construction sites
- Caulking hollow core ceiling and (non-trafficable) floor planks
- Sealing window and door frames
- Sealing vinyl, aluminium, steel and plywood sidings
- Sealing baseboards, bathroom and kitchen fixtures
- Repair mortar joints.

Compatible Substrates

| | |
|----------------------|-----------------------|
| Concrete | Cable coverings (PVC) |
| Cement sheeting | Aluminium |
| Masonry | ABS |
| Plasterboard | Mortar |
| Timber | Glass |
| Fiberglass | Cork |
| Expanded polystyrene | |

Coverage per liter

| Joint dimensions | | | |
|------------------|------|------|------|
| | 10mm | 20mm | 30mm |
| 10mm | 10m | 5m | - |
| 15mm | - | - | 2.2m |

Acoustic Standards Compliance

| <i>Schedule of Acoustic Test Configurations and Results Summary AS1276.1</i> | | | | | | | | |
|--|----------------|----------|---------------|----------|-----|----|-----|----------|
| Test | Wall | Gap | Covering | Gap | STC | Rw | Ctr | Rw + Ctr |
| 6 | 220 brick wall | Fulaseal | n/a | n/a | 53 | 53 | -4 | 49 |
| 15a | 220 brick wall | blocked | Plaster board | Fulaseal | 67 | 66 | -9 | 57 |

Fulaseal has been tested in accordance with AS1276.1 and found to perform as an excellent acoustic sealant in 10mm joints recording Sound Insulation Rating = Rw + Ctr 48 in a 220mm brick wall, and Rw + Ctr 55 in a 220mm brick wall with plasterboard facing. As acoustic performance is determined according to the type and dimension of substrates, advice should be sought regarding the overall design concept.

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Performance Summary

| | |
|---|---|
| Storage life at 5°C to 35 °C | Minimum 12 months |
| Skinning time (20 °C/RH50%) | 10 minutes |
| Paint over time (20 °C/RH50%) | 60 minutes |
| Thick skin formation(3mm-5mm) (20 °C/RH50%) | 7-10 days to a thick cured skin formation |
| Service temperature | -5°C to 90°C |
| Specific gravity | ~1.5 |
| Colour | Concrete grey |
| Shore D hardness | 35-40 |

Surface Preparation

Clean all joints, cracks and gaps thoroughly. Surfaces should be free from dirt, dust, grease, etc. where FulaSeal is to be applied. Surfaces may be damp but wet surfaces should be avoided. For maximum adhesion on porous or difficult adhering surfaces, prime the area with Fuller's Express 290D acrylic primer before application.

Application

Fulaseal should be applied at ambient temperature between 5° and 35° Centigrade. Higher temperatures should be avoided to prevent the possibility of bubbling of the sealant due to rapid moisture evaporation. Fill joint with trowel or caulking gun, then tool off with a spatula and clean off excess with a damp cloth. Protect from rain or water for at least 24 hours at temperatures of 20degrees centigrade until a suitable skin has formed (may require longer at lower temperatures).

Curing

Fulaseal will cure to form a significant skin in seven to ten days. Time to cure is highly variable and depends on weather conditions, ambient temperature and depth of joint. Allow longer curing times in cold or damp conditions. Do not allow water contact until at least a thick skin has formed.

Painting

Fulaseal can be painted over after 60 minutes with waterborne paint. To minimize paint cracking, at least seven to ten days should be left before painting where possible. In standard conditions (25 degrees centigrade) Fulaseal may be painted after 24 hours, however, care should be taken to ensure a flexible acrylic coating is used and that a firm skin has developed. In cooler conditions or where the humidity is high, allow a longer cure period before painting. If painting with oil base paints, test before use and allow at least 24 hours prior to painting.

Clean Up

After applying Fulaseal, clean all tools and metal surfaces with warm water while the sealant is still wet. Cured sealant will need to be removed mechanically.

Limitations

- Fulaseal should not be applied to wet surfaces.
- For external use, Fulaseal sealant must be protected from rain or water until such time as the sealant builds up a thick skin. This is typically 24 hours in ambient temperatures of 20degrees centigrade and relative humidity 50%, but will be longer in winter or high humidity.

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- FulaSeal sealant may be used both for interior and exterior sealing, but not suitable for use in water retaining structures or where pooling of water may occur.
- Extension and compression capability $\pm 25\%$ when installed in properly designed joints.
- FulaSeal is not to be used as a trafficable sealant.

Safety Information

Please refer to the MSDS for this product for safety information.

Disclaimer

This technical data sheet summarises at the date of issue to the best technical knowledge of HB Fuller Australia. Since HB Fuller Australia cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this technical data sheet in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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