



FULACAULK FR

Description

Fulacaulk FR is a one part, water based construction sealant for sealing joints in applications where a fire resistance rating is required. It has been tested in accordance with AS1530.4-2014.

Benefits

- Fire rating for gaps up to 40mm
- Intumescent, expands when exposed to fire or heat above 90°C
- +/- 20% joint movement capability
- Non flammable
- Water clean up
- Non toxic, contains no heavy metals such as antimony, cadmium, lead or mercury
- Isocyanate free
- Asbestos free
- Excellent Acoustic properties
- Excellent UV stability and weather resistance
- Australian Made
- Very easy to apply and gives a smooth finish
- Low odour
- Paintable
- Priming not normally required
- Can be applied to damp surfaces

Uses

- Sealing interior construction joints that are subject to movement (up to ±20%) in concrete and plasterboard wall systems

- If joint movement is not required, Fulacaulk FR can be used as a putty for filling holes in fire rated substrates

Compatible Substrates

Concrete	Aluminium
Mortar	Plasterboard
Steel	Plastics (pre-test)

Note: Not all substrates fire tested/rated – Refer to fire test reports if a fire resistance level (FRL) is required.

Coverage per liter

Joint dimensions (width/depth)				
	10 mm	20 mm	30 mm	40 mm
10mm	10m	5m	-	-
15mm	-	-	2m	1.6m
20mm	-	-	-	1.3m

Standards Compliance

Fulacaulk FR is able to achieve up to four (4) hour fire rating when tested in accordance with AS1530.4 – 2014. Due to variations in fire rating results using different thicknesses and types of substrates, advice should be sought concerning the suitability of Fulacaulk FR in specific applications.

Fulacaulk FR meets the requirements of LEED Certification: Indoor Environmental Quality - Credit 4.1 (Low-Emitting Materials: Adhesives and Sealants).

Fulacaulk FR meets the requirements of the Green Building Council Australia (GBCA) for low VOC construction sealants.

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In many regions applicators of fire rated sealants require certification or licences - check local regulations to ensure compliance.

Performance Summary

Colour	Grey
Skimming time	15 minutes
Working time	ca. 30 minutes
Hardness (Shore A)	ca. 40
Service temperature	-20°C to 80°C
Specific Gravity	ca. 1.5
Shelf Life	12 months

Surface Preparation

Ensure substrate surfaces are clean, sound, dry and free of oil, grease and surface contaminants such as dust, loose particles, release agents, silicone and water repellents. Ideally surfaces should be dry. Fulacaulk FR will adhere to slightly damp surfaces, but avoid wet surfaces. Areas adjacent to joints may be masked to provide a neat finish. Masking should be removed immediately after tooling. Ensure Fulacaulk FR is applied to sealed edges of plasterboard. Unsealed edges (with no primer) may lead to a weak bond being formed and / or loss of acoustic performance.

Application

Apply Fulacaulk FR in ambient conditions between 5 and 35 degrees centigrade. Higher temperatures should be avoided to prevent the possibility of bubbling of the sealant due to rapid moisture evaporation. Do not apply below 5 degrees centigrade. Fill joint with trowel or caulking gun, then tool off with a spatula and clean off excess with a damp cloth. Protect from water for at least 24 hours until a suitable skin has cured (will

require significantly longer at temperatures below 15 degrees centigrade). Some shrinkage is normal during curing, and should be anticipated when measuring joints.

Curing

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 skinned surface has formed.

Fulacaulk FR is not recommended for use in external applications where 2 non-porous substrates are to be sealed. In these situations Fulacaulk FR will find it very difficult to cure and any moisture from rain, dew, fog etc may result in wash-out of Fulacaulk FR from the joint.

Clean Up

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

Painting

Fulacaulk FR is suitable for painting when cured. To minimize paint cracking, at least 24 hours should be left before painting where possible. In standard conditions (25 degrees centigrade) Fulacaulk FR may be painted after 6 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.

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**Limitations**

- Do not apply to wet surfaces.
- Fulacaulk FR is not suitable for use in water retaining structures or where pooling of water may occur.
- Fulacaulk FR is not recommended in external applications, or where 2 non-porous substrates are to be sealed
- In many regions applicators of fire rated sealants require certification or licenses - check local regulations to ensure compliance

of which is sent to our customers and is also available on request.

Safety Information

This product is not considered hazardous under the classification of GHS WHS Version 3. Further safety information is available on the product SDS. Avoid contact with skin and eyes. Store in a dry place below 30°C. Keep out of reach of children. An SDS is available from the H.B. Fuller representative in your state, HB Fuller Australia customer service, or downloadable from the HB Fuller web site, www.hbfuller.com.au.

Disclaimer

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