

# USG BORAL FIRECAULK SEALANT

## DESCRIPTION

USG Boral Firecaulk Sealant is a one-part, water borne, acrylic co-polymer based gunnable, intumescent, fire rated sealant. It has been formulated to give the right balance of hardness and flexibility with good U.V. resistance.

## FIRE RATED AND ACOUSTIC SEALANT

Designed for sealing gap around cables, metal pipes, conduits, busy ways and ducts which penetrates walls, floors and ceilings. Firecaulk Sealant has excellent adhesive capabilities to metal, concrete, plasterboard and cable coverings.

Firecaulk Sealant has good STC acoustic properties when used in appropriate systems.



## PRODUCT BENEFITS

- Fire rating for gaps up to 50mm
- Good flexibility with +/-12.5% joint movement
- No mixing is required
- Extremely easy to apply with a smooth finish
- Non-toxic. Does not contain heavy metals such as antimony, cadmium, lead or mercury
- Low odour
- Asbestos free
- Priming typically not required
- Contains no isocyanates
- Can be applied to damp surfaces
- Easily cleaned with water

## PRODUCT SPECIFICATIONS

Feature	Description
Colour & Appearance	Grey and White (Thick Heavy Paste)
Specific Gravity	1.5+/-0.1
Viscosity	1.0-1.2 million ops
Tack Free Time	@25°C 30 min
Working Time	@ 25°C 15 min
Joint Movement Capability	+/-12.5%
Elongation	290 to 340%
Expansion	Up to 10 times
Durometer(Shore A)	25-35
Service Temperature Range	-20 to +90°C

## APPLICATION INSTRUCTIONS

### Joint Preparation

Surfaces must be clean, free from dirt, grease, dust or other contamination. Ideally surfaces should be dry. Firecaulk Sealant will adhere to slightly damp surfaces.

### Masking

Areas adjacent to joints may be masked to assure neat sealant lines. Masking should be removed immediately after tooling.

### Application

All joints should be filled to required depth with closed cell backer rod or bond breaker tape prior to sealant application. Some shrinkage may occur.

Apply sealant in required ratio of width to joints with clean surfaces, free from dirt, dust grease or other contaminants, by bulk loading gun or similar method. Joint groove must be completely filled with sealant.

### Design Factors

The maximum designed movement must not exceed 12.5%. The ratio of joint width to sealant depth should be approximately 2:1. Maximum width of joint is 50mm.

## PACKAGING

10 liters pail

## COLOUR

White & Grey

## STORAGE

All materials shall be stored under cover in a manner that will prevent damage preferable on pallets and protected from excessive heat and moisture. Do not freeze. USG Boral Firecaulk Sealant has a shelf life of 12 months from date of manufacture when stored at or below 25°C.

Note :

- Do not apply when rain exposure is likely within 24 hours of application
- Do not apply to wet surfaces

Firecaulk Sealant may be used for interior sealing. It is not suitable for use in water retaining structures or where ponding may occur.

#### GUARANTEE

USG Boral Singapore warrants goods manufactured and supplied by it to be of consistent quality and free from any defects. This warranty shall only apply when goods have been installed with the components and accessories as specified and in accordance with the detailed instructions set out in the USG Boral Technical Literature.

#### TRADEMARKS

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#### SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

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