



FIRECAULK

FIRE AND ACOUSTIC RATED ACRYLIC SEALANT

26/02/2018

YOUR SMART ADVANTAGES

- Intumescent fire resistance for interior joints and penetrations
- Up to 4 hour fire rating³
- Fire resistance tested in accordance with AS1530.4-2014 and AS4072.1- 2005
- Fire rating for gaps up to 40mm
- Acoustic capabilities with a 67 STC* rating in plasterboard construction
- Good flexibility with up to ±25% joint movement
- Smooth gunning and tool off
- Low odour and non-toxic
- Water clean up
- Prevents passage of hot gases
- Paintable after 24 hours at 20°C
- Water resistant after cure (7 days after application)
- Acoustic capabilities with STC rating in plasterboard construction
- Helps prevent the spread of fire and smoke through walls and floors
- Excellent adhesion to metal, wood, plasterboard, all masonry, AAC and Hebel

USES

- Interior use only
- To prevent the spread of fire and smoke through walls and floors Sealing of gaps around pipes, cables, ducts and services which penetrate fire rated walls and floors.
- Fire rated cable penetration in concrete and masonry.
- Installation of fire rated sealant in concrete walls and floors.
- For vertical and horizontal low movement joints (up to ±25%).
- Application requiring acoustic properties or STC (Sound Transmission Co-efficient) rating.
- Perimeter sealing of door and window framing.
- Sealing gaps between faced and cladding panels to various building materials.
- For new construction and remedial applications.

PRODUCT CHARACTERISTICS

Colour	Beige
Viscosity	Paste

Composition	Speciality acrylic
Application temperature	5 to 35°C
Skinning time	Approx. 15 minutes
Full cure	Up to 5 days dependant on temperature, humidity and bead size.
Maximum joint width	40mm
Usage: 10 x 20mm bead	Approx. 1.5m per cartridge Approx. 3m per sausage
Product codes	
300ml cartridge/ 20 per carton	30804258
600ml sausage/20 per carton	30804045

TYPICAL PERFORMANCE DATA (APPROX)

Standards	AS1530.4-2014 and AS4072.1- 2005 ³
Joint movement	±25%
Service temperature ¹	-20 to +90°C
VOC	<1 g/L
STC Rating ²	67

¹ The sealant will deteriorate if subjected to high temperatures and/or humidity on a continuous basis.

² Rating dependant on overall wall system configuration.

³ Specific joint/penetration design required.

DIRECTIONS FOR USE

Read and understand the Safety Data Sheet before using this product.

Refer to Firecaulk Manual for joint and penetration design.

The joint depth must allow a sealant depth, after installation of backer rod or bond breaking material, of a minimum of 6mm.

Lap shear joints should have a bead width equal to, or greater than twice the anticipated movement.

A conservative design practice, which uses a portion of the sealant's movement capability as a safety factor is recommended.

SURFACE PREPARATION

Clean all surfaces by removing foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, old sealants and any protective coating.

Bostik New Zealand Ltd, 19 Eastern Hutt Rd, Wingate, 5019 Lower Hutt, New Zealand. Tel: +64 4 567 5119 www.bostik.co.nz

Firecaulk

Porous substrates should be cleaned by grinding saw cutting or blast cleaning (sand or water). Dust, loose particles, etc. should be blown out of joints with oil free compressed air or vacuum cleaned. Non porous and plastic surfaces should be cleaned by solvent or mechanical means. Cleaning solvents should not be allowed to air dry or evaporate without being wiped with a clean, dry cloth. Priming is not required unless surface to be bonded is in poor condition or exceptionally porous. Consult Bostik for advice on priming.

APPLICATION

- Joint design must conform to manufacturer's recommendations and NZBC requirements.
 - Compatible closed cell backing rods or release tape must be used to ensure two sided adhesion in joints and limit joint depth.
 - Firecaulk should be dispensed from either the cartridge or sausage by means of a caulking gun.
 - Cartridge - cut the tip off the cartridge and screw on the nozzle. Cut nozzle to give the required angle and bead size. Place the cartridge in a Bostik applicator gun and squeeze the trigger.
 - Sausages - a barrel gun is required, clip the end of the sausage and place in barrel gun. Screw end cap and nozzle on to barrel gun. Using the trigger extrude the sealant, to stop depress using the catch plate.
 - Apply Firecaulk in a continuous bead using enough pressure to properly fill the joint.
 - Tool off surface of sealant with an appropriate sized spatula or trowel.
 - Apply sufficient pressure to leave a smooth, consistent surface and ensure maximum contact with the interface of the joint.
 - Tool sealant to ensure correct shape and ensure good product contact to all surfaces.
- JOINT SEALING HINTS**
- Always use backing rod for correct sealant geometry and contact with the substrate
 - Ensure maximum adhesion to bond face
 - Minimum allowable joint depth is 6mm
 - Minimum allowable joint width is 5mm
 - Lap shear joints should have a bead width equal to, or greater than twice the anticipated movement.
 - Tool sealant to achieve concave shape.

LIMITATIONS

- Firecaulk is not recommended for water immersion, exposed external joint sealing or areas subject to heavy traffic
- Firecaulk should not be applied with wet tooling techniques using solvents, water or detergent/soap solutions.
- Firecaulk should not be applied to surfaces with special protective or cosmetic coatings without prior consultation with the manufacturer. Such surfaces include, but are not limited to, mirrors, reflective glass, or surfaces coated with Teflon, polyethylene or polypropylene.
- Firecaulk can be affected by water before or during cure. The sealant should not be stored, applied or cured in areas where unusually high humidity or free water are present during the application or initial cure.
- Firecaulk should be allowed to cure for 7 days prior to subjecting to any intermittent water exposure.

- Do not apply to surfaces with temperature under 5°C.

CLEANING

Water while wet, or Bostik No. 3 Solvent or White Spirits when dry.
Use Bostik Handy Wipe towels to remove adhesive from skin.

PAINTABILITY

Firecaulk is fully paintable after full cure. The use of a premium quality acrylic based primer is recommended.

STORAGE AND SHELF LIFE

Store in cool, dry conditions out of direct sunlight between 5 and 27°C. Protect from freezing and frost. Shelf life is 12 months if stored in cool, dry conditions in original, unopened containers.

DISPOSAL

Empty containers, once dry, may be disposed of via local landfill.
If spilt absorb product with clay, sand or earth. Collect in properly labelled metal containers. Dispose of according to local authority regulations. Do not dispose of down drains or into waterways. Fully dried material is not hazardous.

PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit www.bostik.co.nz for copies.

FIRST AID

Swallowed: Do not induce vomiting, give a glass of water and contact a doctor immediately.

Skin: Remove contaminated clothing, wash with warm soapy water. Do not scrub.

Inhaled: Remove person to fresh air. Get medical advice if breathing becomes difficult. If inhaled to excess, remove from contaminated area - apply artificial respiration if not breathing.

Eyes: Hold open and flood gently with water for at least 15 minutes. Get medical advice.

For emergency information contact the National Poisons Information Centre, phone 0800 764 766 (0800 POISON) or CHEMCALL, phone 0800 243 622.

BOSTIK HOTLINE

Smart help 0508 222 777



This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry

Firecaulk

out tests to decide the product's suitability for purpose. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Bostik disclaims all warranties in relation to manufacture and use of the product. Bostik is not liable for representations made by users, suppliers or retailers about the product. Bostik is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Bostik does not exclude rights and remedies that be excluded by legislation, for example under the Consumer Guarantees Act 1993. Sale of the product by Bostik is subject to the Bostik New Zealand Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit www.bostik.co.nz.

Technical Advice Tel: 0508 222 777 nzsales@bostik.com