

FIRE TECH FIRECAULK

FIRE AND ACOUSTIC RATED ACRYLIC SEALANT

18 July 2017

YOUR SMART ADVANTAGES

- Intumescent fire resistance
- Fire resistant when tested in accordance with AS1530.4-1998, BS476: Part 20: 1987 and AS4072.1-1992
- Fire rating for gaps up to 40mm
- Designed for New Zealand conditions
- Smooth gunnability and tool off finish
- Low odour and non-toxic
- Asbestos free
- 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.

USES

- 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.
- 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	Grey
Viscosity	Paste
Composition	Speciality acrylic
Application temperature	5 to 40°C
Skimming time	Approx. 15 minutes
Full cure	Up to 5 days dependant on temperature, humidity and bead size.

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)

Joint movement	±12.5%
Elongation	>300%
Service temperature*	-20 to +90°C

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

DIRECTIONS FOR USE

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

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. 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 backing rods or release tape must be used to ensure two sided adhesion only in joints and limit joint depth.
- Fire Tech Firecaulk should be dispensed from either the cartridge or sausage by means of a caulking gun .
- Cartridge - pierce the membrane at the top of 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

Fire Tech Firecaulk

nozzle on to barrel gun. Using the trigger extrude the sealant, to stop depress using the catch plate.

- Apply Fire Tech 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.
- 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
 - Depth to width ration of 1:1 up to 12mm width, and 1:2 from 12 – 50mm width.
 - 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. Sealants are subject to cohesive failure when the actual movement is greater than their rated capability.
 - Tool sealant to achieve concave shape.

LIMITATIONS

- Fire Tech Firecaulk is not recommended for water immersion, exposed external joint sealing or areas subject to heavy traffic
- Fire Tech Firecaulk has low joint movement capability.
- Fire Tech Firecaulk should not be applied with wet tooling techniques using solvents, water or detergent/soap solutions.
- Fire Tech 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.
- Fire Tech 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.
- Fire Tech 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

Fire Tech 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.



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Technical Advice

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