

FIRE

TEK

AC
Acrylic

DESCRIPTION

A flexible, one component acrylic sealant, fire rated up to 4 hours (AS/1530-part 4, 2014) for sealing interior & vertical exterior joints up to 40mm wide, subject to movement accommodation.

Ideal for Tilt-up construction/ expansion joints, sealing fire door frames, fire rated plasterboard, Hebel block and service penetrations, including cable bundles & metal pipes.

FIRETEK AC has been tested in accordance with AS 1530-Part 4, 2014 and to various application conditions. Care should be taken to review the FIRETEK AS 1530-Part 4 Test Certificate to ensure suitability for the intended application.

APPLICATIONS

- Tilt-up Constructions
- Pipe Penetrations
- Cable bundles
- Fire Rated Plasterboard
- Concrete floor slab
- Wall / Floor Penetrations
- Head edge & Control Joint Seals
- Concrete & Masonry Walls

Substrates

- Plasterboard
- Blockwork
- Besser Block
- Concrete/Tilt Wall
- Metals
- Electrical Cables

ADVANTAGES

- 4-Hour Fire Rated (AS 1530.4:2014)
- FRL: -/240/180
- Acoustic Rated 56 STC
- Movement capability +/-15%
- Water based acrylic
- Water Clean up
- Paintable
- Low VOC
- Low odour
- Non-Slump

PRODUCT CHARACTERISTICS

Colour	Light Grey
Appearance	Thixotropic paste
Curing Method	Moisture curing
Curing Time	≥2mm after 24 hours ≥6mm after 7 days
Service Temperature	-30°C to +85°C
Product Codes	300mL Cartridge 53FTAC300

TYPICAL PROPERTIES

Base	Acrylic Sealant
Elongation @ Break	≥ 50%
Skinning Time	5-10 minutes
Tack Free Time	< 20 minutes
Specific Gravity	1.6g/mL
Extrudability	≥ 300g/min.
Flash Point	>90°C
Joint Movement	±15%
Application Temperature	+5°C to +45°C
Recovery Elastic	≥40%
Solid Content	80%

NOTE: All data provided is based on 25°C and 50% Humidity Conditions

INSTRUCTIONS FOR USE

Read and understand the Safety Data Sheet before using this product. SDS can be acquired by visiting www.macsim.com.au.

Surface Preparation

Substrate surface must be dry and clean, free of dirt, grease, oil, or standing water.

Applications Instructions

1. Mask smooth surfaces to simplify clean up.
2. Cut tip off cartridge.
3. Cut nozzle to desired size at 45° angle & screw nozzle onto cartridge.
4. Insert cartridge into caulking gun & push sealant ahead for uniform bead.
5. Tool immediately.
6. Clean off excess sealant.

Clean Up

- Uncured sealant can be cleaned up with water or a damp cloth.

Limitations

Firetek AC is not suitable for the following applications

- Surfaces that bleed oil.
- Areas of constant water immersion.
- Joint movement more than 20%.
- Assembling of structural glass.
- Will not adhere to some plastics such as polyethylene, polypropylene, and Teflon.
- Do not apply outdoors where rain is likely within 2 hours of application.

Shelf Life

18 months shelf life when stored in a dry and cool place with temperature between +5°C to +25°C.

HEALTH & SAFETY

Safety

Firetek AC is a Combustible liquid. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. Harmful to aquatic life

If poisoning occurs, contact Poisons Information Centre:

Australia: 13 11 26; New Zealand: 0800 764 766.

Obtain special instructions before use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

First Aid

IF exposed or concerned: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use alcohol resistant foam or normal protein foam for extinction.

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

DISCLAIMER

The information in this Technical Data Sheet (TDS) is based on our present knowledge to the date of the publication. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. It is only a guide for safe handling, use, storage, transporting and disposal of the product.