

TECHNICAL DATASHEET

Acoustic Intumescent Sealant

Description & Uses

Cromar Alpha Chem Acoustic Intumescent Sealant is a high quality, one part, flexible 5 hour fire rated sealant used to maintain fire performance in walls, floors and penetration seals. It can also be used to form linear gap seals where gaps are present within the wall and floor construction and linear joints, where wall and floor constructions abutt. The Alpha Chem Sealant also has intumescent properties that cause it to swell upon heating. It also has excellent sound reduction properties and upholds air tightness of buildings.

Key Features

- Mechanical Adhesion, Tensile testing & Shore Hardness to ISO 9046:2005, ISO 8339:2005 & ISO 7619-1:2011.
- Fire resistance tested in flexible walls, rigid walls and floors.
- Tested in Linear Joints up to 50mm wide.
- Tested in large service openings up to 490 x 150mm.
- Tested with Metallic Pipes, Cables, Cable Bunches, Cable Trays and Cable Ladders.
- Causes no known effects to plastic pipes, plastic cables, sheathing or metallic components.
- For use in low movement joints, remains flexible.
- Halogen free, resists fungi and vermin.

Ideal for

- Sealing and filling openings and joints to maintain fire resistance of walls, floor and structures.
- Sealing low movement construction joints and service penetrations.
- Reducing acoustic transfer between building compartments.
- Maintaining the air tightness of building compartments.
- Internal use only in gaps up to 50mm, application temperature up to +40°C.

Certifications

- Tested in accordance with EN1366-4: 2009 Fire Resistance.
- Tested in accordance with EN1366 -3:2009 Fire Resistance.
- Classification to EN13501-2.
- ULEU & ULUS Listed.
- Tested in accordance with BS476 pt 20&22 Fire Resistance.
- Tested in accordance with EN1026 Air Tightness.
- Tested in accordance with EN10140-2 Sound Reduction.
- CE Marked



Directions

- Fill any gaps or voids with Alpha Chem Expanding Foam or suitable backing tape or rod, or mineral wool.
- For good adhesive to surfaces, ensure all surfaces are clean, sound, dry and free from dust, grease or other contaminants. Ensure surfaces have not been pre-treated with any primers or coatings.
- Ensure the site conditions are within the application specification.
- Cut thread and then the nozzle to the required size.
- Apply sealant with a sealant gun and tool down using a spatula wetted with water to produce a professional finish.
- Tools should be cleaned immediately after use.
- Tack free within 30 minutes, curing 2mm per 24 hours dependent on conditions.
- It is the user's responsibility to dispose of all packaging correctly.

Storage

Store in cool, dry conditions between +5°C and +25°C, off the floor.

Shelf Life

18 months when stored in original, unopened packaging.

Limitations

- It is the user's responsibility to ensure suitability for use.
- **Please read the label before use as this contains essential safety information, full Safety Data Sheet available on request.**

Technical Data

Slump	5mm after 1hour in 30mm joints
Shrinkage	Approx 12%
Cure Rate	3mm per day at 50% relative humidity 23°C
SG	1.56 – 1.66 g/cm ³ (ISO 2811-1: 2011)
Application Temperature	+5 to +40°C
Tack Free	30 mins at 23°C (50% RH)
UV Resistance	Good
Water Resistance	Good when fully cured
Joint Movement	Remains flexible
Acoustic	Up to R _w (C;C _{tr}) :63(-2;-7) dB (EN ISO 10140-2:2010)
BREEAM International	Compliant
VOC % Nonaqueous Volatiles (105°C)	3.6

Further Information:

In the event of further queries or problems concerning the use of this product, please contact the address below, e-mail info@cromar.uk.com.

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