

X-Seal FlamJoint A14

Low modulus intumescent sealant

Product Description

X-Seal FlamJoint A14 is a one part acrylic, elastomeric, intumescent firestop sealant that expands when exposed to fire or extreme heat, forming an insulated char that will prevent the spread of toxic gases, smoke and fire.

Advantages

- Intumescent
- F Rating up to 2 hours
- Single component
- Easy to use
- Durable resilient seal
- Excellent adhesion
- Low modulus
- Non toxic
- Can be over painted

Specification Compliance

ASTM E-814 (UL 1479).

ASTM C834, Type 01, Grade O°C

Complies with:

BOCA National Building Code (1996),
CABO one and two family dwelling code (1995),
Uniform Building Code (1997), Section 796, Fire
Block and Draft Stop.
BOCA-SBCCI-ICBO-NFPA Building Codes.

Movement Accommodation

BS 6093: 50%

ASTM C920: Class 25

Laboratory Test Data

Property	Typical Results
Elongation	600%
Hardness (Shore A)	35 to 40

Application Properties

Tack free time	35 mins.
Full cure	Up to 21 days



FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH PENETRATION FIRESTOP SYSTEMS
SEE UL FIRE RESISTANCE DIRECTORY

Colour

Red as standard, other colors available.

Yield

The following calculations can be used to determine the quantity of material required for any joint size:

In feet per US gallon of sealant: $\frac{JW \text{ inches} \times SD \text{ inches} \times JL \text{ feet} \times 12}{231}$

In meters per liter of sealant: $\frac{JW \text{ mm} \times SD \text{ mm} \times JL \text{ meters}}{1000}$

JW = Joint width, SD = Sealant depth, JL = Joint length

Packaging

850ml (29floz) cartridges

600ml (20floz) sausages.

Shelf life

12 months when stored unopened at below 25°C (77°F) under shade in a dry environment.

Design Considerations

The fire stopping application the product is used in must be designed in accordance with the data shown on the UL Approval for this product.

Installation Guidelines

NCC X-Calibur provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Priming

Priming is not normally required.

Application

Cut off one end of the sausage and insert into a NCC X-Calibur Barrel Gun into the open end facing upwards.

To ensure good adhesion, all surfaces should be clean and free of dust, oil, loose materials or any other substances.



Make sure that the product makes complete contact with the entire surface of the opening and also the surface of the penetrating items.

For a smooth seal, hold at 45° angle and apply by pushing sealant ahead of nozzle.

Under X-Seal FlamJoint A14, mineral wool fibres such as Rockwool can be used as a backer, provided the density should be minimum 45 kg/m³. To help hold the product in place until cured. Steel screen wire can be stapled in place over the material when a large opening is overhead or configured such that the material will not support its own weight during cure.

Cleaning

Clean equipment using water.

Limitations

Allow sealant to cure before disposal.

Do not apply in rain or wet conditions, or at temperatures below 10°C (50°F).

Do not use in immersed conditions.

Do not expose to aggressive chemicals.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists ('ATs') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATs.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of these products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Chemistry Inc.

makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied. NCC X-Calibur Construction Chemistry Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.