PRODUCT DATA SHEET

Hodgson

INTUFIRE® ACRYLIC

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DESCRIPTION

Intufire® Acrylic sealant is a one-part fire-resistant joint sealant which provides a firm, yet flexible seal to joints in a wide variety of fire-rated structures where fire resistance up to 4 hours is required. Its special intumescent properties cause the sealant to swell up and char, preventing the spread of smoke and fire through the joint.

KEY FEATURES

Good adhesion to timber, plasterboard, masonry, blockwork, plaster, concrete and many other common surfaces.	Paintable.
Ideal for sealing joints, voids and irregular holes in fire walls, partitions, door architraves, service penetrations, floors and other structures.	Will not support combustion.
Formulated using a special acrylic emulsion to provide a firm seal whilst retaining a degree of flexibility.	

TECHNICAL APPROVALS

Intufire® Acrylic conforms to the following standards :-

BS 476:Part 20:1987. Test report WARRES C110431 - A copy of the full test report is available on request.

ISO 11600 Classification: F-12.5-P

USES

Sealing joints, voids and irregular holes in fire walls, partitions and other structures where fire resistance up to 4 hours is required.	Sealing fire rated ductwork.
To maintain integrity when sealing around pipes and cables.	Sealing around door architraves.

PERFORMANCE

Adhesion: Good adhesion when applied to wood, plaster, plasterboard, blockwork

Base technology: Acrylic emulsion

Chemical resistance: Fair to dilute acids and alkalis

Curing system: Dries through evaporation

Hardness (Shore A 25°C): 50

ISO 11600 classification: F-12.5-P

Mould resistance: Contains a fungicide

Movement accommodation: ±12.5%

Paintability: Can be overpainted

Service life (predicted): 20 years

Service temperature range: -15°C to +70°C

Shrinkage: <25%

Specific gravity: 1.56 - 1.60g/cm^3

Slump: Nil

Staining: Nil

UV resistance: Good

Volatile content: <25%

APPLICATION

PROPERTIES

Application temperature range: +5°C to +30°C.

Curing rate: No curing reaction takes place. Dries through evaporation.

Shelf life: 12 months (DO NOT STORE BELOW 5°C).

Skinning time: skin forms within 25 minutes at 20°C @ 65% RH.

Tack Free: 75 minutes

Working time: 5 minutes

INSTRUCTIONS

Joint design: Please consult the ***Technical Information Sheet*** entitled 'Joint design for cartridge based products' prior to application.

Surface preparation: All surfaces must be clean, dry and free from frost, grease and loose materials. In situations where an especially neat finish is required, use masking tape to cover the face edges of the joint and remove immediately once tooling has been completed. Cut the tip of the screw thread off the cartridge and screw onto the nozzle. Cut nozzle to the correct diameter for the joint size, apply using a skeleton gun. Gun sealant into joints ensuring there are no voids or gaps and that the sealant is in full contact with both joint surfaces.

Tooling: Tool immediately after sealant has been applied within the working time for the product. A degree of shrinkage will occur on drying. Where a flush finish is required, it is recommended that the joint be filled/tooled slightly proud to compensate.

EQUIPMENT

A selection of useful tools and accessories is also available and includes trimming knives, rollers etc and hand/air operated guns for cartridge sealant products.

PACKAGING

310ml cartridges – 25 per case
(Also available in 600ml sausage upon request).

Standard Colour: White

GAP FILLING MATERIAL COMBINATION

	Width (mm)	Depth (mm)	Backing Material	Integrity (Minutes)	Insulation (Minutes)
Aerated blockwork/aerated blockwork	50	25	Backing Rod 50mm diameter	245	82
Hardwood/aerated blockwork	50	25	Backing Rod 50mm diameter	96	93
Softwood/aerated blockwork	25	12	Backing Rod 30mm diameter	55	54
Steel/aerated blockwork	50	25	Backing Rod 50mm diameter	77	39
Aerated concrete/aerated concrete	50	25	Backing Rod 50mm diameter	155	105
Softwood/aerated concrete	25	12	Backing Rod 30mm diameter	51	44
Hardwood/aerated concrete	50	25	Backing Rod 50mm diameter	47	47
Steel/aerated concrete	50	25	Backing Rod 50mm diameter	72	62

ESTIMATING QUANTITIES

$$\text{Number of cartridges} = \frac{\text{Joint depth (mm) x Joint width (mm) x Length (M)}}{\text{Volume of cartridge (ml)}}$$

This calculation does not allow for wastage.

HEALTH AND SAFETY

Non-flammable. Wash hands immediately after use.	See Product Safety Data Sheet for further information.

GENERAL

Intufire® Acrylic is part of a full range of fire resistant sealants designed for the professional user. For further information please contact Customer Care Team or visit our Website.

The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. Properties quoted are typical and do not therefore constitute a specification. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE.

Hodgson Sealants Limited

Belprin Road, Beverley, East Yorkshire,
HU17 0LN, United Kingdom

T: +44 (0)1482 868321
F: +44 (0)1482 870729

W: www.hodgsonsealants.com
E: sales@hodgsonsealants.com

Registered in England No. 2799221 | Registered Office. Belprin Road, Beverley, East Yorkshire, HU17 0LN, United Kingdom | VAT REG. No. GB 856 3436 07