



Idealseal Firecheck Intumescent Sealant

An intumescent acrylic joint sealant which resists the passage of fire and smoke for up to 4 hours.



Description

Idealseal Firecheck Intumescent is an acrylic based sealant that expands when heated above 120°C to restrict the passage of smoke and fire. It has very good adhesion to many surfaces and cures to form a tough, flexible, paintable seal. In addition, it is easy to apply, almost odourless and non-corrosive to metals. The sealant achieves a 4 hour fire rating tested to EN 1366-4.

Uses

Idealseal Firecheck Intumescent is ideal for interior joints where a fire retardant seal has been specified to prevent the passage of fire and smoke. It is commonly used in fire retardant constructions within the general construction, cold storage and marine industry. Applications include sealing joints in and around internal partitions, lap joints in fire-rated cladding and for sealing between fire doors and fire-rated walls. Not suitable in joints where movement exceeds $\pm 7.5\%$ of joint width.

Technical Detail

Base		Acrylic dispersion
100% Modulus	DIN 53504 S2	0.25 N/mm ²
Application rate	@ Ø4mm/4 bar	580g/min
Application temperature		+ 5°C to +40°C
Curing time	@ +23°C/50% RH	1mm/24 hours
Density	ISO 1183-1	1.60g/ml
Elongation at break	DIN 53505/ ISO 868	300%
Fire rating		EN1366-4
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		7.5%
Open time	@ +23°C/50% RH	5-10 minutes
Shorea hardness	DIN 53505	20
Skin formation	DBTM 16	6 minutes @ +23°C/50%RH
Temperature resistance		- 20°C to +75°C
Tensile strength	DIN 53504	0.11 N/mm ²

Colour

White

Packaging

300ml x 12

Application

Surfaces must be clean, dry and dust free. Cut the cartridge seal and screw on nozzle which should be cut to required size. Gun the sealant firmly into joint ensuring no air is trapped behind. Tool with a spatula wetted whilst acrylic is still wet. If required place masking tape along joint edges, removing within 5 minutes of application.

Limitations

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates. Not suitable for continuous water load.



Paintability

Idealseal Firecheck Intumescent Sealant is paintable once fully cured. During curing product will show shrinkage, which can cause cracking of the paint. We recommend testing compatibility with paint prior to application.

Shelf Life

In unopened original packaging between + 5°C and +25°C, shelf life up to 18 months from production date stated on the tube, store in a dry place.

Certifications

	EN 15651-1: F-EXT-INT 7.5P
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	EN 1366-4:2006+A1:2010 EMICODE EC1 Plus – very low emission
	A+ French VOC Regulation

Health and Safety

Safety data sheet (MSDS) must be read and understood before use of the product this is available on request and via www.idealsealants.com.

Liability

The information given is the result of our tests and experience and is believed to be accurate and reliable. However as Ideal Sealants Limited cannot know all the uses its products may be put to, and as application methods are out of our control it is the user's responsibility to determine suitability of use.

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