



# Sealant

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## Uses

Bostik Intucrylic Sealant is a 1-component fire resistant sealant based on acrylic dispersion. Bostik Intucrylic Sealant is a plastoelastic sealant which can provide up to 4 hours of fire resistant for linear joints. Bostik Intucrylic Sealant is specifically developed for fire resistant sealing of linear connection joints in gypsum and stony substrates.

Fire resistance will vary depending on how the product is applied. Always consult the fire test and classification reports to ensure suitability of the end use application.

Not suitable for PE, PP, PC, PMMA, PFTE, soft plastics, neoprene and bituminous substrates. Not suitable for continuous exposure to water.

## Product Characteristics

Colour	White
Density	1.60 g/ml (ISO 1183-1)
Base	Acrylic dispersion
Shore A	20 (DIN 53505)
Product Codes	30614297 White C20 x 12 30614298 Grey C20 x 12
Storage/Shelf Life	Store in unopened packaging in dry conditions between +5 and +25 °C. Shelf life 18 months after production. Has a limited shelf life once packaging has been opened.

## Dimensions

100% Modulus	0.25 N/mm <sup>2</sup> (DIN 53504 S2)
Application rate	580 g/min (Ø3mm/4 bar)
Application Temperature	+5°C to +40°C
Service Temperature	-40°C to +75°C
Joint movement	7.5%
Skin Formation	6 minutes (at +23°C/50% RH)
Curing Time	1mm/24 hours (at +23°C/50% RH)
Open time	5-10 minutes (at +23°C/50% RH)
Elongation at break	300% (DIN 53505/ISO 868)
Tensile strength	0.11 N/mm <sup>2</sup> (DIN 53504 S2)
Flow resistance	<2mm (ISO 7390)
Sound insulation	Rs,w 53 dB (joint 10mm x 10mm) (ISO 10140-1:2012)



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## Preparation

1. Do not apply below +5°C or above +40°C.
2. Substrate must be dry, clean, firm, dust-free and grease-free.
3. Substrates to be cleared of all loose particles, absorbent substrates do not need to be absolutely dry.
4. Very porous substrates like: gypsum, aerated concrete, limestone, etc. need to be primed with a mixture of 1 part Bostik Intucrylic Sealant and 2 parts water.
5. Always test adhesion prior to application. Finish and smooth with water.
6. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width up to 10mm is 1:1, with a minimum of 5mm in width and depth. For joints wider than 10mm, the depth is the width divided by 3 plus 6mm.

## Application

1. Apply Bostik Intucrylic Sealant with a manual or pneumatic application gun.
2. Carefully spray Bostik Intucrylic Sealant against the joint walls and then press firmly during finishing.
3. Within 6 minutes, after which skin formation begins, press the sealant against the joint walls (with a pointing trowel or wooden spatula).
4. Finish and smooth with water.

## Cleaning

1. Tools should be cleaned with water after use.
2. Hands can be cleaned with water and soap.

## Sound Insulation

Sound reduction measured according to ISO 10140-1:2012, joint 10mm x 10mm single sided seal with backer rod (PE/PU):  $R_{s,w}$  53 dB.

## Fire Resistance

Fire resistance is the time in minutes during which a construction meets the established criteria regarding stability (may not collapse), flame penetration (integrity) and heat transfer (thermal insulation criterion). The thermal insulation criterion specifies that the temperature of the structure on the non-fire side may not rise above 180°C locally and max. 140°C on average. The fire resistance is specified in time (minutes) during which the criteria for flame penetration (E) and temperature (I) are met, e.g. EI 240 (4-hour fire resistance).

The classification further specifies the type of material in which the joint is made and whether the joint is sealed on the fire side, the non-fire side or both sides. Also stated is whether the joints are vertical or horizontal, what the maximum joint width should be, and whether or not a displacement is applied to the joint.

## Paintability

Bostik Intucrylic Sealant is paintable when fully dry. During curing product will show shrinkage, which can cause cracking of the paint. We recommend testing compatibility with paint prior to application.

## Features

- Fire resistance up to 4 hours in linear joints when tested according to EN 1366-4
- Can be applied separately in joints up to 30mm wide or in combination with Bostik FP 404 Fire Retardant PU (Gun) Foam in joints up to 30mm wide
- Sound insulation tested according to EN ISO 10140-2:2010
- Can be applied in both vertical and horizontal joints
- CE classification: EN 15651-1: F-EXT-INT-CC 7.5P
- Joint movement up to 7.5%
- Easy to apply and clean
- Paintable with most water based and synthetic paints
- Almost odourless
- Non corrosive towards metals
- A+ French VOC Regulation