



SpECseal IG

TWO-PARTS POLYSULPHIDE SEALANT FOR INSULATING GLASS

DESCRIPTION

SpECseal IG is a polysulphide sealant especially formulated for insulating glass.

TYPICAL USES

- For residential & commercial applications

ADVANTAGES

- Solvent-free
- Non-hazardous
- Excellent adhesion for glass, aluminium, stainless steel & galvanized steel
- Compatible with most glazing materials used in the market

TECHNICAL DATA

Typical Results @ 23± 3°C

Colour	Dark Grey (Base - Off-white; Hardener - Black)
Mixing ratio	100:10 by volume
Pot life	20-30 minutes
Full cure	1 - 2 hours
Density	1800 ± 50 kg/m ³
Shore A Hardness (ASTM D-2240)	Min. 40
Moisture Vapor Transmission (ASTM E96)	6.0 (g/m ² /24hrs)
Elongation to failure (BS EN 1279/4)	Approx. 50%
Cohesive Failure (BS EN 1279/4)	Approx. 0.5 MPa
Viscosity	
Base (ASTM D2196)	5000 ± 500 poise
Hardener (ASTM D2196)	2000 ± 200 poise
Transportability of Assembled Glass	2 hours
Service Temperature	- 40 °C to + 80 °C

APPLICATION

Surface Preparation

Glass

To achieve good adhesion, the glass surface must be clean and free of any residue. Your glass supplier can verify proper cleaning specifications.

SPACER

To achieve good adhesion, the spacer surface must be clean and free of any residue.

Mixing

Correct proportions of base and hardener are extremely important to achieve the best results. Given the various dispensing systems available, the SpECseal IG should be metered to deliver base and hardener at a ratio of 100:10 by volume. Application should be done at a temperature of 15 °C to 30 °C.

TEMPERATURE INFLUENCE ON VISCOSITY

In most liquids the viscosity is influenced by various factors, amongst which temperature has a key role. Viscosity values on our TDS are given based on the standard temperature as mentioned. While the viscosity changes due to the temperature of the base material, the effect on the final mixture is negligible. It is suggested that the individual components should be stored under controlled temperature at least for 24 hours prior to mixing and application.

PACKAGING & YIELD

SpECseal IG

Base: 19.00L/190.0L

Hardener: 1.9L/19.00L

Drum kits: 20.9L/209.00L

STORAGE & SHELF LIFE

SpECseal IG

To maintain the shelf life of 12 months the sealant should be stored in the original containers at temperatures between +10 °C and +30 °C.

HEALTH & SAFETY

Avoid contact with skin and eyes and avoid inhalation of vapour. Wear gloves and eye protection.

Accidental contact with the skin should be cleaned immediately with soap and water and any eye contact should be treated by rinsing with copious amounts of clean water and medical advice sought.

Issue 2: 01/2020

QA-054

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If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

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