

Technical Data Sheet

SX Premium Polyflex HM Polyurethane One component moisture curing high-modulus polyurethane



Product Description

A one component, moisture curing, paintable, high modulus polyurethane sealant and adhesive. It has excellent adhesion to most building substrates and is fast curing with permanent and durable elasticity.

Benefits

- High mechanical performances
- Permanently elastic
- Paintable

Applications

For interior and exterior waterproof joints in building and metal constructions. For gluing, sealing, mounting and anchoring in building applications. For use in metal and mechanical construction, ship building and container sealing joints, refrigeration plants, automotive, caravan, mobile home, aircraft and the railway industry.

Directions Of Use

Cut the cartridge seal and screw on the nozzle, which should be cut to your required size. Using a skeleton gun, apply the sealant firmly into the gap or joint ensuring a good solid fill. If required place masking tape along edges, removing within 10 minutes of application.

Additional information

| | | |
|--|----------------|----------------|
| 100 % modulus | ISO 8339 | ± 0,70 N/mm2 |
| Application temperature | | +5°C to +40°C |
| Base | | Polyurethane |
| Curing time | @ +23°C/50% RH | ± 3mm/24 hours |
| Density | ISO 1183-1 | ± 1,23 g/ml |
| Elongation at break | ISO 8339 | ± 450% |
| Flow | ISO 7390 | < 3mm |
| Frost resistance during transportation | | Up to -15°C |
| Shearing strength | ISO 4587 | ± 1,4 N/mm2 |
| Shorea hardness | ISO 868 | ± 45 |
| Shrinkage | ISO 10563 | <10% |
| Skin formation | @ +23°C/50% RH | 70 minutes |
| Temperature resistance | | -30°C to +70°C |

These are typical values

Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable in combination with chlorides (pools)
- Slight yellowing may occur when white sealant is exposed to ultraviolet rays

Surface Preparations and Finishing

Surfaces must be clean, dry and free from dust, grease and other loose material. Priming is not usually necessary. Adhesion tests prior to application are recommended. Always tool using a spatula or stick wetted with soapy water within 10 minutes of application.

Paintability

This product can be painted with water based and two component paints.

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Cleaning

Uncured material and tools can be cleaned by using SX Multi-Purpose Wipes. Cured material can only be mechanically removed. Hands can be cleaned with SX Multi-Purpose Cleaning Wipes.

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Colour(s)

- Grey
- Black
- White

Packaging

- Cartridge
- Foil

For product specifications, please refer to the Product Detail Page

Shelf Life

In unopened original packaging between +5°C and +25°C, shelf life till 12 months after production date, stored in a dry place.

Certifications

| | |
|----|---|
| | A+ (Eurofins ISO 16000) NF P 85-610 |
| CE | EN 15651-1: F-EXT-INT-CC 25HM EN 15651-4: PW-EXT-INT-CC 20HM |

Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request and via the Den Braven websites.

Warranty & Guarantee

Den Braven warrants that its product complies, within its shelf life, to its specification.

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