

Technical Data Sheet

SX PROFESSIONALS HM POLYFLEX 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.

KEY 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.

DIRECTION FOR 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.

TECHNICAL SPECIFICATIONS

100% Modulus	ISO 8339	± 0,70 N/mm ²
Application Temperature		+5°C to +40°C
Base		Polyurethane
Curing Time	@ +23°C/50% RH	
Density		± 1,23 g/ml
Elongation At Break		± 450%
Flow	ISO 7390	< 3mm
Frost Resistance		Up to -15°C
Shore A Hardness	ISO 868	± 45
Skin Formation	@ +23°C/50% RH	70 minutes
Temperature Resistance		-30°C to +70°C
Tensile Strength		± 0,9 N/mm ²
Shrinkage		<10% (ISO 10563)
Shear Strength		± 1,4 N/mm ² (ISO 4587)

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.

CLEANING

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

PACKAGING DESCRIPTION

For product specifications, please refer to the Product Detail Page

COLOUR

White, Black, Grey

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

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

HEALTH & SAFETY

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

WARRANTY & GUARANTEE

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

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