PRODUCT DATA SHEET

DUROSEAL™ PU 40FC

DUROTECH
Commercial Waterproofing & Sealants

DESCRIPTION

DUROSEAL™ PU 40FC is a one-component, high-modulus polyurethane sealant that cures on exposure to atmospheric humidity. DUROSEAL™ PU 40FC is an ideal bondbreaker for DUROPROOF™ Polyurethane membranes. DUROSEAL™ PU 40FC possesses excellent adhesion to sheet iron, aluminum, stainless steel, lead, copper, ceramic, glass, wood and various plastic materials.

FEATURES

- Permanently flexible
- Non-sag consistency - Exceptional thixotropy
- Non-sticky / does not pick up dirt
- Minimal shrinkage
- Improved storage stability
- Easy to gun, can be easily smoothed
- Over-paintable

USE AREA

- Body construction of cars, containers, caravans etc
- Sealing and bonding of ventilation ducts, gutters and spouts etc
- Sealing of sheet metal seams
- For vibration reduction in all type of sheet metal assembly works
- Sealing against water, air, gas and dust

TECHNICAL INFORMATION

BEFORE CURING	
Basis	Polyurethane
Consistency	Thixotropic
Curing Mechanism	Moisture Curing
Skin Formation Time	1,18± 0,03 g/ml
Skin Formation Time	40 ± 10 min (23°C and 50% R.H)
Curing Rate	Min. 3mm/day (23°C and 50% R.H)
Sagging	0mm (EN ISO 7390)
Temperature Resistance	-40°C to +90°C
Application Temperature	+5°C to +40°C
AFTER CURING	
Hardness Shore A	35 - 40 (After 28 days)
Paintability	Yes*
MECHANICAL PROPERTIES (ISO 8339)	
Elongation at Break	Min. 350%
Tensile Strength	Min 2.0 N/mm^2

*Considering the diversity of paint base and quality, compatibility tests should be done before application.

PACKAGING

300ml Cartridges and 600ml Sausages.

COLOUR

Grey.

SINCE 1977

APPLICATION

DUROSEAL™ PU 40FC is easy to apply with conventional caulking equipment. Ensure that the backer rod is friction fitted properly. Mask the sides of the joint with masking tape prior to filling for a cleaner finish. Fill the joint completely with a proper width-to-depth ratio and tool to ensure intimate contact of sealant with joint walls. Dry tooling is always preferred, although DUROTECH™ XYLENE can be used in limited amounts to slick the spatula if needed following the initial dry tooling.

STORAGE AND SHELF LIFE

12 months if stored properly in its original package.

LIMITATIONS

- Avoid application below 5 °C and above 40 °C.
- Do not apply on frozen or wet surfaces or through standing water.

CONSUMPTION (APPROX.)

Joint width	15mm	20mm	25mm	30mm	35mm
Joint Depth	8mm	10mm	12mm	15mm	15mm
Joint length / 600 ml	5 meters	3 meters	2 meters	1, 3 meters	1, 1 meters

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