PU 301 CS40

TECHNICAL DATA SHEET

1 – DESCRIPTION

PU301 is a one-component, multi-purpose non-sag polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to various materials such as concrete, wood, stone etc.

2 – PROPERTIES

- Non-Sag consistency-Exceptional thixotropy
- Non-sticky / Does not pick up dirt
- Permanently flexible
- High adhesion strength

3 - APPLICATIONS

- Connection joints in floors.
- Sealing and bonding of ventilation ducts, gutters and spouts etc.
- Joints around windows, door frames.
- For flashing common roofing detail applications.
- Construction adhesive applications.
- For vibration reduction in various substrates.
- Sealing against water, air, gas and dust.

4- INSTRUCTIONS

- Surfaces must be clean, dry and free from all traces of grease, oil and dust.
- Cut off the tip of the nozzle to suit joint width and apply the sealant into the joint with a suitable hand operated or compressed-air gun, taking care to avoid air entrapment. Once opened, packs should be used up within a relatively short time.
- The optimum temperature for substrate and sealant is between 15°C and 25°C.
- Tooling and finishing must be carried out within the tack-free time of the sealant.
- Uncured sealant can be removed from tools and equipment with acetone or another suitable solvent. Once cured, the material can only be removed mechanically.

5- PACKAGING

Product	Weight	Package
White, Grey, Black	310ml	12
White, Grey, Black (sausages)	600ml	12

6-STORAGE AND SHELF LIFE

12 months if stored in its original package, away from direct sunlight and moisture, between +10 °C and +25 °C.

7-RESTRICTIONS

- Avoid application below 5 °C and above 40 °C.
- Do not apply on frozen or wet surfaces or through standing water.
- Avoid air-entrapment during application.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not tool with detergent or soap solution

BEFORE CURING		
Basis	Polyurethane	
Consistency	Thixotropic	
Curing Mechanism	Moisture Curing	
Density	1,32±0,02 g/ml	
Tack free time	60±10 min. (23°C and 50% R.H)	
Curing Rate	Min. 3 mm/day (23°C and 50% R.H)	
Sagging	0 mm	(EN ISO 7390)
Temperature Resistance	-40°C to +90°C	
Application Temperature	+5°C to +40°C	

AFTER CURING		
Hardness Shore A	45±5 After 28 days	
Paintibility	Yes*	
Elongation at break	≥150%	ASTM D412
Tensile Strength	2,0-2,5 N/mm²	ASTM D412
E100 Modulus	≥0,75 N/mm²	ASTM D412