



P645

PU METAL SEALANT

1 – DESCRIPTION

A one-component, high-modulus polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to various materials: concrete, wood, aluminium, most lacquered metals, polyester, glass, stone etc.

2 – PROPERTIES

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

3 - APPLICATIONS

- Bonding of different materials in the general industry

4- INSTRUCTIONS

- Surface preparation: Joint surfaces must be dry, clean and free of all contamination. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent.

5- PACKAGING

Product	Weight	Package
White / Black / Grey	310 ml	12
White / Black / Grey (Sausage)	600 ml	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.

8- TECHNICAL PROPERTIES

BEFORE CURING	
Basis	: Polyurethane
Consistency	: Thixotropic
Curing Mechanism	: Moisture Curing
Density	: 1,09±0,02 g/ml
Tack free time	: 60±10 min. (23°C and 50% R.H)
Curing Rate	: Min. 3,5 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	: 55±5 After 28 days
Paintability	: Yes*

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

MECHANICAL PROPERTIES (ASTM D412)	
Elongation at break	: Min. %250
Tensile Strength	: Min. 2 N/mm ²
E100 Modulus	: 1,50±0,25 N/mm ²