

# POLYURETHANE SEALANT (CONSTRUCTION)

## 1 – DESCRIPTION

**Polyurethane Sealant (Construction)** is a one-component, medium-modulus polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to all typical construction materials such as cement based materials, brick, ceramic, glass, wood, galvanized and painted sheet iron and various plastics.

## 2 – PROPERTIES

- Solvent and PVC free
- Good UV resistance
- Permanently flexible
- Non-sag consistency - Exceptional thixotropy
- Non-sticky / does not pick up dirt
- Odorless
- No change in volume - No shrinkage
- Improved storage stability
- Easy to gun, can be easily smoothed
- Over-paintable

## 3 - APPLICATIONS

- Expansion joints between many different construction materials
- Bonding of roof tiles
- Installation of PVC window frames
- Connection joints between wood window- and doorframes and walls
- Joints between prefabricated construction materials
- Sealing and bonding of ventilation ducts, gutters and spouts etc.
- For expansion joints between pre-cast concrete panels

## 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.
- Cut opens the cartridge, screw on nozzle and cut off tip at desired angle. Take off the aluminum cover at the bottom of the cartridge. Insert cartridge in gun and apply the sealant bubble-free continuously into the joint. Fill the joint completely. Smoothen it by pressing with a spatula or similar apparatus wetted in soapy water.

## 5- STORAGE AND SHELF LIFE

12 months if stored at room temperature.

## 6- PACKAGING

Product	Volume	Package
White	310ml	12
Brown	310ml	12
Black	310ml	12
Grey	310ml	12
White(Sausage)	600ml	20
Black(Sausage)	600ml	20
Brown(Sausage)	600ml	20
Grey(Sausage)	600ml	20

## 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

<b>Basis</b>	: Polyurethane	
<b>Curing Mechanism</b>	: Moisture Curing	
<b>Density</b>	: 1.15 ± 0.03g/ml	(ISO 1183)
<b>Hardness Shore A</b>	: 25-35	(ASTM C661)
<b>Ultimate Elongation</b>	: ≥400	(ASTM D412)
<b>Max. Tensile Strength</b>	: >1.5 N/mm <sup>2</sup>	(ASTM D412)
<b>Tack free time</b>	: 30-60 min. (23°C and 50% R.H)	(ASTM C679)
<b>Curing Rate</b>	: Min. 2,00 mm/day (23°C and 50% R.H)	
<b>Temperature Resistance</b>	: -40°C to +90°C	
<b>Application Temperature</b>	: +5°C to +40°C	