

# UNISIL SMP 30

Premium Quality High Performance Adhesive & Sealant

• Low Modulus Isocyanide • Free Excellent Adhesion Paintable • Low VOC • Environmentally Safe



## DESCRIPTION:

UNISIL SMP-30 is a Low Modulus, flexible joint sealant and adhesive free of Isocyanates and other hazardous raw materials and omits low odour. UNISIL SMP-30 has been formulated to offer outstanding adhesion to most common building and automotive materials, such as aluminium, timber, concrete, and fibreglass and be used in most sealing and joint filling applications. UNISIL SMP-30 displays high joint movement capability with no sagging or slump characteristics to provide high quality & efficient joint finish.

## FEATURES & BENEFITS:

- Joint Movement +/- 25%
- Non-Slump
- Solvent & Isocyanate Free
- Low Odour & Non-Corrosive
- Paintable
- Non-Pick

## RECOMMENDED USE:

- Precast Concrete Panels
- Fibre Cement Sheet
- Blockwork & Bricks
- Aluminium Profiles
- Automotive & Marine
- Truck Train Bus Caravan

## SURFACE PREPARATION:

Surfaces to be bonded must be clean, dry, and free

of foreign materials so that the adhesive bond is not compromised. Metal substrates should be cleaned with IPA or Meths

## APPLICATION:

Cut nozzle at 45°C angles to desired thickness. Insert the cartridge into a caulking gun. Hold the caulking gun at a 45° angle with the nozzle in contact with both sides of the joint. Apply by pushing the Silicone ahead of the nozzle, thus pushing it firmly into place.

## TECHNICAL DATA:

### PRODUCT INFORMATION:

Appearance	Thixotropic
Curing Method	Moisture Curing
Sag @25°C	Non-Sag
Movement Capability	+/- 25%
Shelf life	9 months below 28°C
Packaging	600ml Sausage
Shore A Hardness (ASTM C 66)	30

### APPLICATION DATA:

Skin time @ 25°C @50% RH	35 minutes
Rate of Cure	2.5mm per 24 hours
Tack Free Time (ASTM C 679-87)	64 minutes
Application Temperature Range	+5°C to +50°C

### PERFORMANCE DATA:

Elongation @ Break	Approximately 300%
Tensile Strength (MPA)	0.7 N/mm
Service Temperature	-40°C to +90°C
Specific Gravity (DIN 52451-A)	1.6 grams/ml

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## PRIMING:

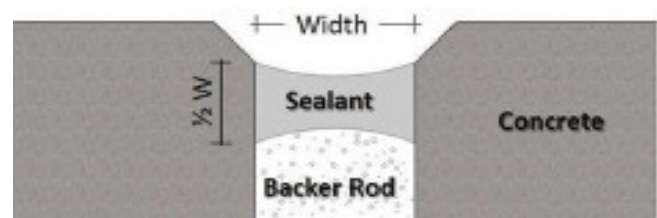
It is advisable to conduct preliminary adhesion tests on substrates where the application is critical or if the adhesion performance is unknown.

Please contact your local representative to recommend the required primer for your application. Sealant against joint surfaces to ensure positive surface-face adhesion.

## JOINT DESIGN:

To allow the sealant to move effectively; the correct joint design requires that the sealant depth be half the width of the joint.

A suitable closed cell must be used to ensure that the correct joint depth is achieved.



## CURING:

The cure speed depends on temperature, humidity

### Storage & Handling:

- Do not breathe in vapours whilst curing. Wear suitable respiratory protection.
- Use in well-ventilated areas.
- Avoid contact with skin and eyes.
- Wear eye protection and suitable gloves and clothing