

# MAX SMP 25

LOW MODULUS, ISOCYANATE FREE  
SMP SEALANT



## DESCRIPTION:

**RLA MAX SMP 25** is a Low Modulus, SMP, flexible joint sealant and adhesive that emits no odour and is free of Isocyanates and other hazardous raw materials.

MAX SMP-25 has been formulated to offer outstanding versatility and adhesion to most common building and automotive materials including aluminium, timber, concrete, fibreglass for a broad range of sealing and joint filling applications.

Max SMP-25 displays high joint movement capability with no sagging or slump characteristics to provide efficient, high quality finishes

## FEATURES & BENEFITS:

- Movement capability +/-25%
- Non slump
- Solvent & Isocyanate free
- Low odour & non corrosive
- Paintable

## SUBSTRATES:

- Precast Concrete Panels
- Masonry
- Fibre cement sheet
- Aluminium
- Sandstone & Granite
- Fibreglass
- Plasterboard & Blueboard

**Important:** It is always suggested to conduct "Pre-Adhesion" tests on substrates to ensure an adequate bond is achieved. Contact RLA Technical Department for advice on suitability over surfaces not mentioned above

## AVAILABLE COLOURS:

Black, Grey & White

## SURFACE PREPARATION:

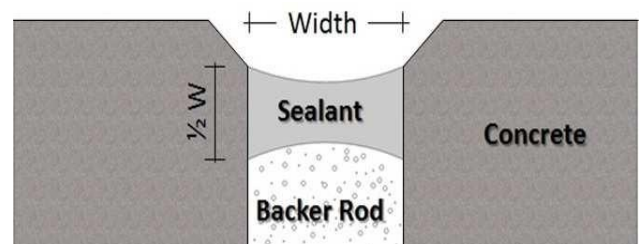
All surfaces must be clean, dry, and free from loose particles, dust, oils, rust, and any contaminants that may inhibit adhesion of the sealant. Where oils may be present, clean the surface using a non-oil based solvent cleaner.

## APPLICATION:

- MAX SMP 25 can be applied using a hand operated cartridge, or sausage gun.
- For the 600ml sausage, place in the applicator gun, then cut the top of the sausage just behind the aluminium clip (removing clip) to open sealant in foil.
- Fit the application gun with a suitable nozzle cut to deliver the correct bead size.
- For the 480g cartridge, cut nub on the cartridge and screw on nozzle
- Insert the cartridge into the caulking gun
- Hold the caulking gun at a 45° angle with the nozzle in contact with both sides of the joint
- Apply by dispensing the sealant ahead of the nozzle, pushing it firmly into the joint and against joint surfaces to ensure positive surface face adhesion
- Tool off sealant to a concave profile before skin forms using a mild soapy solution or proprietary tooling solution. Tooling will assist by securing the sealant into the joint and eliminate air bubbles and air pockets behind the sealant
- Remove excess sealant immediately with a cloth dampened with mineral turpentine or suitable solvent

## JOINT DESIGN:

- To allow the sealant to move effectively, avoid three sided adhesion and observe correct joint design
- The correct joint design requires that the sealant depth be half the width of the joint.
- A suitable backing rod should be used to ensure that the correct joint depth is achieved and prevent three sided adhesion



### **PAINTABILITY:**

MAX SMP 25 can be painted after fully cured. Paints and coatings containing solvents may cause the sealant to react and become tacky. Some coatings may crack or craze due to cyclical environmental movement. It is always recommended to conduct field tests to ensure compatibility with the desired coating

### **CURING:**

The cure speed depends on temperature, humidity, sealant depth and substrate. Typically, a joint will form a firm skin in one hour and take up to seven days to fully cure. The cure time may extend beyond seven days in cold or dry climates.

### **CLEAN UP:**

- Excess sealant can be removed immediately with a cloth dampened with mineral turpentine or suitable solvent
- Cured sealant can be removed by trimming with a sharp blade

### **PACKAGING:**

- 480g cartridges
- 600ml sausages

### **STORAGE/SHELF LIFE:**

- Store in a cool, dry place away from direct sunlight
- Best stored in conditions under 28°C
- Shelf life is 9 months from date of manufacture when stored in accordance with above recommendations

### **LIMITATIONS:**

- Not recommended for fully submerged joints
- Do not apply when surface or ambient temperatures are below 5°C or above 40°C

### **HEALTH AND SAFETY:**

For information and advice on the safe handling, first aid, storage and disposal of chemical products, users must refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

### **TECHNICAL DATA:**

PROPERTIES	
Appearance	Thixotropic
Colour	Assorted
Curing method	Moisture Curing
Sag/Slump @ 23°C 50% RH	Nil
Movement Capability	+/-25%
Shelf life	9 months when stored below 28°C
Packaging	480g cartridges 600ml Sausages
Shore A Hardness (ASTM D2240)	30
Specific Gravity	1.6g/ml
Skin Time @ 20°C 50% RH	35 minutes
Cure Depth @ 25°C 50% RH	2.5mm/24 hours
Tack Free Time	60 minutes
Application Temperature	+5°C to +40°C
Elongation at break	300%
Tensile Strength	0.7N/mm <sup>2</sup>

**WARRANTY STATEMENT:**

RLA Polymers guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specification.

We certify that this product is suitable for use when fully cured and will perform as described in our technical data sheet or other published materials.

RLA Polymers will replace the product free of charge when purchased from any legally verifiable source and where a product is proven to have been stored, handled, and installed according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out in accordance with relevant Australian Standards.

Warranty doesn't apply if damage, loss, failure to follow instructions, or other circumstances are out of our control.

Sufficient time and access to investigate any complaint must be accorded to RLA Polymers.

The consumer is responsible for any expenses incurred in making a claim.

A claim form can be requested by:

**PHONE:** 1800 242 931

**EMAIL:** [info@rlapolymers.com.au](mailto:info@rlapolymers.com.au)

**MAIL:** 215 Colchester Road Kilsyth Victoria 3137  
(Attention Customer Service)

**WEBSITE:** [www.rlapolymers.com.au](http://www.rlapolymers.com.au)

**AUSTRALIAN CONSUMER LAW:**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality, and the failure does not amount to a major failure. The benefits under our warranty are in addition to other rights and remedies available to the consumer under the law in relation to the goods and services to which the warranty relates.

**DISCLAIMER:**

All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed.

Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own tests. Conditions of Sale contain a limited warranty against manufacturing defects.