

# Alspect Hybrid PU

## Low Modulus Isocyanate Free Polyurethane Adhesive & Sealant

### **DESCRIPTION:**

ALSPEC HYBRID PU is a Low Modulus, Hybrid Polyurethane, flexible joint sealant, and adhesive free of Isocyanates and other hazardous raw materials and omits low odour.

ALSPEC HYBRID PU 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.

ALSPEC HYBRID PU 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

### **RECOMMENDED USE:**

- Precast Concrete Panels
- Fibre Cement Sheet
- Blockwork & Bricks
- Aluminium Profiles
- Sandstone & Granite
- Fibreglass
- Plasterboard & Blue Board

### **SURFACE PREPARATION:**

Surfaces to be bonded must be clean, dry, and free of wax, grease, dust, and other foreign materials so that the adhesive bond is not compromised. Metal substrates should be degreased with a suitable solvent like isopropyl alcohol or methylated spirits.

### **PRIMING:**

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

Please get in touch with your local representative to recommend the required primer for your application.

### **APPLICATION:**

Cut nozzle at 45°C angles to desired thickness.

Insert the cartridge into a caulking gun.

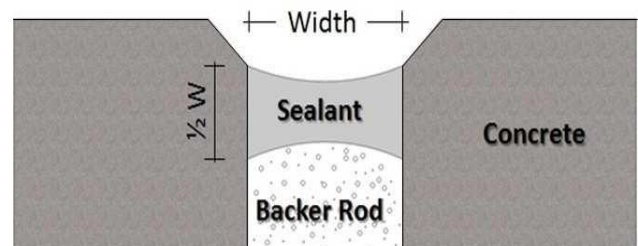
Hold the caulking gun at a 45° angle with the nozzle in contact with both sides of the joint.

Apply by pushing the Sealant ahead of the nozzle, thus pushing it firmly into place and spreading the 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.



## 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 <sup>2</sup>
Service Temperature	-40°C to +90°C
Specific Gravity (DIN 52451-A)	1.6 grams/ml

## 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 humid climates.

## STORAGE:

9 months shelf when stored in a dry environment and between +5°C and +25°C.

## SAFETY & 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.
- Do not eat, drink, or smoke while using this product.
- Take off contaminated clothing and wash it before reuse.
- If on the skin, wash with plenty of soap and water.
- If in the eyes: rinse immediately and cautiously with water for 15 minutes.
- Remove contact lenses; if present, continue rinsing.
- If inhaled, remove them to fresh air and keep them at rest in a position comfortable for breathing.
- If any skin or eye irritation persists or you feel unwell, seek medical attention.
- If swallowed, give plenty of water. Do not induce vomiting. Seek medical attention.

The Safety Data Sheet is available upon request.

**KEEP OUT OF REACH OF CHILDREN**

### **WARRANTY STATEMENT:**

ALSPEC guarantees this product against manufacturing defects and guarantees it to be manufactured to our published specifications.

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.

ALSPEC 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 install according to instructions published on our packaging and within the stated shelf life. The Installation of all materials must be carried out per the 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 ALSPEC.

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

A claim form can be requested by:

**PHONE:** 1300 257 732

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