



## Silicone WP Plus

Neutral cure, anti-fungal, bond breaker and sealant.

### DESCRIPTION

Crommelin<sup>®</sup> Silicone WP Plus sealant is a high performance neutral cure silicone sealant specifically designed for use in wet areas. Crommelin<sup>®</sup> Silicone WP Plus sealant contains a mould and mildew inhibitor and is suitable for contact with aluminium shower screens.

### FEATURES AND BENEFITS

- Suitable for use as a waterproofing membrane bond breaker or as a highly durable finishing sealant.
- Mould and mildew resistant.
- Neutral cure – will not corrode concrete or zinc coated / galvanised steel.
- Permanently flexible; +/-20% joint movement.
- Resistance to weathering and UV radiation.
- Resistant to vibration.
- Strong adhesion.
- Sag resistant – can be used in vertical and overhead joints.
- Available in translucent, white and grey.

### AREAS OF USE

Silicone WP Plus is suitable for use in the following areas:

- Showers.
- Bath Tubs.
- Sinks.
- Laundries.
- Sanitary Ware.
- Spas.

### SUITABLE SUBSTRATES

Silicone WP Plus is suitable for use on the following surfaces:

- Ceramics & Glass.
- Concrete.
- Stone.
- Steel & Aluminium.
- Render.
- Brick Blockwork.



## **SURFACE PREPARATION**

Full surface preparation instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- Surfaces must be clean, sound and free from dust, grease, curing compounds, release agents, loose particles, efflorescence, concrete laitance or any other contaminants. Use Crommelin<sup>®</sup> Water Rinsable Degreaser to remove grease, oils etc.
- Lightly contaminated surfaces should be wiped with Isopropyl Alcohol (IPA) using the 2-rag wipe method. Apply IPA to a clean lint-free cloth and wipe onto the surface to be cleaned to solubilise and remove the majority of the contaminant. A clean dry cloth should then be used to remove remaining contamination and dry the surface. Ensure wet cleaner is not allowed to dry on surface.
- For more heavily contaminated surfaces or where the IPA does not remove the contaminant, a generic wax and grease remover should be applied using the same 2-rag wipe method. Once this has been completed the surface should be given a final clean with IPA using the 2-rag wipe method to ensure the surface is adequately prepared.
- Adhesion to metals and some surface finishes can be further improved by light abrasion prior to cleaning with IPA using the 2-rag-wipe method.
- For glazing applications IPA should be used to clean and prepare the surface. Manufacturers of plastics should be consulted about suitable cleaning solvents. Adhesion to plastics should be pre-tested.
- Mask either side of joint to produce a neat finish. Use a suitable sized foam backing rod or polyethylene bond breaker tape to prevent three-sided joint contact impeding the free and even deformation of the sealant in a cyclic joint.

## **PRODUCT PREPARATION**

- Cut seal on top of cartridge. Screw on nozzle and cut to desired bead size.

## **APPLICATION CONDITIONS**

- Do not apply if surface/ambient temperatures are too high or too low. Recommended application temperature range 10<sup>0</sup>c - 35<sup>0</sup>c.
- Do not apply if humidity is too high, or likely to be during the initial cure phase. Maximum recommended humidity during application and cure is 85%.
- Do not apply if rain is expected within 48 hours.
- Weather details may be checked at <http://www.bom.gov.au>.

## APPLICATION PROCESS

Full application instructions can be found at [www.crommelin.com.au/full-instructions/](http://www.crommelin.com.au/full-instructions/)

- Apply a trial patch before full application, to ensure suitability.
- Cut seal on top of cartridge. Screw on nozzle and cut to desired bead size. Hold gun at 45° angle. Push forward, squeezing trigger to gently fill joint. Within 5 minutes of application, tool the sealant, ensure the sealant wets the sides of the joint. If masking tape is used to produce a neat finish, remember to remove the masking tape before the sealant skins. Trim with a knife once cured, if needed.
- The rate of cure depends on the air temperature and humidity, the cross-sectional area of the bead of sealant and the surface area of sealant exposed to the air. At 25°C and 50% relative humidity cure rate is 2mm / 24hours. In general, low humidity and/or low temperature will result in longer cure times. Thicker sections of sealant will have longer cure times. A small surface area in relation to the volume of sealant will also extend the cure time. Ensure that the depth of the sealant in a joint never exceeds its width.
- When using as a waterproofing membrane bond breaker, ensure sufficient membrane film build is achieved over sealant.

## RE-COAT/CURE TIME

- Skinning time: 15-25 mins.
- Full cure: 7 days.

## COVERAGE

- 300ml cartridge will give approximately 15 lineal meters of a 5mm bead.

## CLEAN UP

- Best results are obtained by masking prior to sealing to avoid the necessity for clean-up. However, if sealant is applied to areas where it is unwanted, clean up uncured sealant using Toluene, Xylene, Methyl Ethyl Ketone or Mineral Turpentine and a cloth.
- Cured sealant should be removed by abrasion or trimmed with a sharp knife. Do not undercut seal.

## SIZES

Silicone WP Plus is available in 300ml cartridges.

## PRECAUTIONS

- Not paintable.
- Do not use on freshly painted surfaces.
- Do not use in contact with food or potable water.
- Do not use on materials that bleed oils, plasticisers or solvents as this will affect adhesion.
- Not a fire rated sealant.
- Do not use in direct contact with silver coating of mirrors (e.g. on the edge of the mirror).
- Will not cure in absence of moisture.

## TRANSPORT AND STORAGE

- Size: 300ml
- Weight: 300gm
- Cool and Dry Storage
- UN Number: N/A
- DG Class: N/A
- Flash Point: N/A
- Hazchem Code: N/A
- Poisons Schedule: N/A

## SAFETY AND FIRST AID

Crommelin<sup>®</sup> Silicone WP Plus Safety Data Sheet is available from Crommelin<sup>®</sup> upon request.

### Safety

- Ensure good ventilation and avoid breathing vapours.
- Avoid skin and eye contact. Wear gloves and eye protection. Remove splashes on skin immediately and remove contaminated clothing.
- Keep out of reach of children.
- Keep container sealed when not in use.
- Do not swallow.

### First Aid

- If poisoning occurs, contact a doctor or poisons information centre: Ph. 13 11 26.
- If swallowed, do not induce vomiting. Give a glass of water to drink.
- If in eyes, hold eyes open and flood with water for at least 15 minutes.
- If not breathing, apply artificial respiration.

Crommelin<sup>®</sup> and other marks followed by ® are registered trademarks.

Any advice, recommendation, information, assistance or service provided by Crommelin<sup>®</sup> in relation to its products or their use is given in good faith, however is provided without responsibility or liability.

Customers need to undertake their own assessment to determine the suitability of a product for the intended use. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs as required on the specific surface.

Crommelin<sup>®</sup> also reserves the right to update information without prior notice, to reflect ongoing research and product development.