



Protect-us Australia Pty Ltd

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## Product Information:

# Protect-us No More Solder

## FEATURES

- Contains fungicide
- Neutral cure system
- 100% silicone rubber
- Room temperature cure
- Excellent resistance to, weathering, ultra-violet radiation, vibration, moisture, ozone, temperature extremes, airborne pollutants, many cleaning detergents, and many solvents
- Long useable life: 18 months from date of production
- Non-slumping
- Colour: Grey (other colours available on request, depending on required quantities)

## BENEFITS

- Resists the growth of mould and mildew
- Ease of use, no mixing required
- Superior adhesion to a wide range of building materials including concrete and brickwork
- Long life reliability and low maintenance at temperatures from -50°C to +150°C
- High modulus elasticity for movement joints in concrete
- Can be packed and applied in any season
- Flexibility with storage time and stock usage
- Can be applied in vertical and overhead joints

**The basic composition of this product is oxime silicone sealant and silica filler system**

## APPLICATIONS

Protect-us No More Solder is a high performance neutral cure silicone sealant and adhesive specifically formulated for indoor/outdoor or confined space applications. Designed for sealing and bonding applications on zincalume, galvanized iron, anodized aluminium, coated steel products, concrete, brick veneer, aerated concrete (AAC) & rigid PVC.

Suitable for sanitary type of applications due to presence of mould inhibitor.

## TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact Protect-us Australia prior to writing specifications on this product.

| Parameter   | Unit    | Value |
|---|---------|-------|
| <b>As supplied - tested at 25°C (77°F), 50% relative humidity</b> |         |       |
| Flow, sag or slump  | mm      | Nil   |
| Working time  | minutes | 10    |
| Surface cure time   | minutes | 25    |
| Specific  | g/ml    | 1.03  |
| <b>As cured - tested at 25°C (77°F), 50% relative humidity</b>    |         |       |
| Hardness, shore A   | Points  | 20    |
| Ultimate tensile strength   | MPa     | >1.1  |
| Ultimate elongation   | %       | >300  |
| Modulus at 100%   | MPa     | 0.5   |
| Movement capability   | %       | >25   |

## HOW TO USE

### Repackaging

Repackaging equipment is required. Please contact the equipment manufacturer for detailed operating and product handling instructions.

### Application

1. Correct joint design reduces stress on the sealant, enables optimum movement capability, assists sealant application, and reduces the potential for sealant splitting and voiding.

Guidelines are: Minimum joint width of 3mm. Minimum joint depth of 3mm. For larger joints, the width of the joint should be greater than the sealant depth. Avoid 3-sided adhesion; Apply backer rod or bond breaker tape in the base of the joint to ensure the sealant is only bonded to the sides of the joint.

2. Clean all joint surfaces. Surfaces must be clean, dry, and sound. Remove loose debris and/or old sealant.

General Recommendations are:

- a) For non-porous surfaces: Solvent wipe the joint surfaces using a non-oily solvent such as methyl ethyl ketone, white spirits or mineral turpentine on a clean white lint-free cloth to remove any oils and contaminants. Immediately wipe with a second dry cloth to remove any traces of solvent and contamination.
  - b) For porous surfaces: Wire brush or abrade the surfaces to remove loose debris, old paint and other contaminants. Remove dust with an oil-free compressed air blast and/or high-pressure water blast. Allow to dry before sealing. If necessary solvent wash and allow to dry.
  - c) Priming: A primer may be needed for optimum adhesion to some substrates based on testing conducted by the end user.
3. Install backing material. Backer rod (e.g. closed cell polyethylene type or open cell polyurethane foam) or similar material (e.g. Low tack polyethylene tape for shallow joints) can be used in the base of the joint to control sealant depth and avoid 3-sided adhesion by preventing adhesion to the base of the joint.
  4. Mask adjacent surface with masking tape. This will ensure a clean, neat appearance and reduce clean up by protecting surrounding areas from excess sealant.
  5. Apply sealant. Dispensing equipment is required. Please contact the equipment manufacturer for detailed operating and product handling instructions. Apply sealant into the base of the joint so that it completely fills the joint, wetting both sides.
  6. Tool joint/remove masking tape. Tool the surface of the joint before the sealant forms a skin to provide a smooth even finish and to ensure the sealant adheres to the sides of the joint. Do not use soap or water as tooling aids. Remove masking tape immediately after tooling and before the sealant skins. After a skin has formed, do not disturb the joint for 24 hours. Avoid contact with cleaning agents and solvents (e.g. bleach) whilst sealant is curing. Uncured sealant can best be cleaned from tools using commercial solvents such as xylene, toluene, methyl ethyl ketone, or mineral turpentine.

Observe proper precautions when using flammable solvents. On porous surfaces, allow sealant to cure before removing by abrasion. Cured sealant is not soluble and must be trimmed with a blade. Avoid undercutting the seal.

### **HANDLING PRECAUTIONS**

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The Material Safety Data Sheet is available Protect-us Australia.

### **USEABLE LIFE AND STORAGE**

When stored at or below 30°C in the original unopened containers, this product has a useable life of 18 months from the date of production.

### **PACKAGING INFORMATION**

Protect-us No More Solder is supplied in a 300 g cartridge.

### **LIMITATIONS**

- Not recommended for continuous water immersion applications.
- Not recommended for use on polycarbonate plastic sheeting.
- Do not use in the sealing or construction of aquariums.
- Paint will not adhere well to the sealant. Paint before applying sealant and ensure paint is thoroughly dry (particularly enamel or solvent based paints).
- Do not apply in contact with materials that bleed plasticisers, solvents or release by-products that may inhibit cure, affect adhesion or discolour the sealant(e.g. bituminous adhesives and coatings).
- Do not clean or treat the sealant with materials, solvents, or cleaning agents that may affect or discolour the sealant, particularly during sealant cure.
- Do not use when substrate surface temperature exceeds 50°C.
- Do not apply to surfaces in direct contact with food or drinking water. This sealant has not been tested to determine status under U.S. food and drug administration regulations.
- Do not use in direct contact on the reflective coatings on mirrors.
- Not for medical or pharmaceutical use.
- When used for repackaging, care should be taken to avoid contamination on the repackaging equipment from sealants of different colour and different cure chemistry. Contamination between different cure systems may affect the sealant cure and physical properties.
- Sealant cures by contact with moisture vapour in the air. Not recommended for use in closed confined areas where sealant cure may be inhibited by lack of air.

### **LIMITED WARRANTY INFORMATION - PLEASE READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, because condition and methods of use of our products are beyond our control, this information should not be used in substitution for customer's test to ensure that the product is safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Protect-us sole warranty is that the product will meet the No More Solder sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**PROTECT-US SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.**

**PROTECT-US DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES**