



## MASTER PROOFER S533

### Acrylic Plastic Sealant

丙烯酸密封膠

#### 1.0 Description

MASTER PROOFER S533 is a one part moisture cure Acrylic Plastic Sealant which is manufactured to stringent the specification of Master Proofer Company Ltd, it is designed for sealing heavy and light precast units, general gaps filling of cement, aluminum, wood, plastic substrate.

#### 2.0 Technical Data

Base polymer		: Acrylic Mastic
Skin formation time (23°C 50% HR)		: 15 min
Dust repellent time		: 30 min
Thickness dried in 24 hrs (23°C, 50% HR)		: 1 mm
Elongation at break	ISO 8339	: ≥100%
Elastic recovery	ISO 7389	: < 40%
Water vapour transmission		: 75g/m <sup>2</sup> /24h
Application temperature		: + 5°C ≤ T ≤ + 40°C
Service temperature		: -20°C ≤ T ≤ + 80°C
Resistance to Water		: Passed
Resistance to Chemicals		: Good
Resistance to UV		: Passed

#### 3.0 Typical Application

Precast Concrete, GRC, Wood Works, Door Perimeter, General Gaps or Crack Filling .

#### 4.0 Preparation

All surfaces should be sound, clean, dry, free of dust, oil, grease or other contamination. Loose matter should be removed by abrasion if necessary finally removing the dust by brush. Oil and grease are removed by the use of a cloth moistened with xylene or approved solvent. The cleaning cloth should be replaced regularly to avoid the redistribution of the contaminates over the surface. Care should be taken to ensure that all protecting films and lacquers etc are removed prior to the application of the sealant. Further advice on substrate preparation is available from Master Proofer Technical Services Department, where particular surface treatment are encountered, or if even higher adhesion is required.

#### 5.0 Cleaning tools and equipment

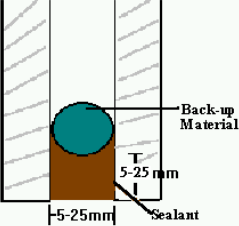
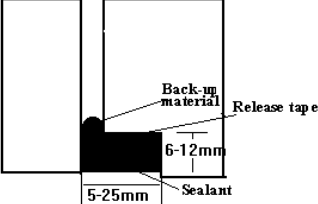
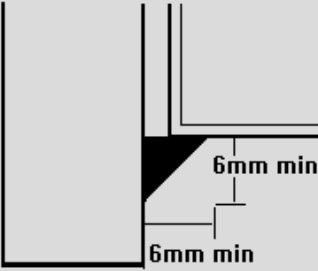
Tools can be cleaned using xylene, white spirit or similar solvent.

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## 6.0 Joint Design

<p><b>Joint Design Diagram A</b></p> <p>Laboratory tests show that in butt joints an optimum performance is achieved when: Width : Depth = 1 : 1</p> <p>Wide joints may require more applications, allowing the sealant to cure slightly between application.</p> 	<p><b>Joint Design Diagram B</b></p> <p>If the joint is not deep enough to accommodate the foam backing strip, a self-adhesive polyethylene tape should be used to ensure that the sealant bonds only to the side of the joint.</p> 
<p><b>Joint Design Diagram C</b></p> <p>When used as a triangular fillet there should be at least 6mm cover on each substrate and the fillet should be a regular triangle in cross section.</p> 	<p>Note - When the Width: Depth ratio is altered, the Movement Accommodation Factor is lowered and allowance must be made in the calculation of the joint wide</p>

## 7.0 Application

Before starting application ensure that any primer or cleaner has dried fully. Using MP Gun A911 or similar, extrude the sealant into the base of the joint and ensure that complete contact is made with the substrates. Care should be taken to avoid trapping air within the sealant. Select a tool to suit the width of the joint and wet it with clean water containing a little detergent. Working upwards in case of vertical joints, lightly tool the sealant into the joint. This will improve adhesion, reduce air content and end enhance the appearance of the finished joint. If masking tape was used be carefully removed, ensuring that it is not dragged across the face of the joint.

## 8.0 Coverage

The following formula gives the quantity of cartridges required:

$$\frac{\text{Joint width} \times \text{depth}(\text{mm}^2) \times \text{Length}(\text{M})}{300} = \text{No. of cartridges}$$

## 9.0 Health and Safety

Avoid contact with skin. In case of contact with eyes, rise immediately with water and consult a physician. Use only in well ventilated areas. Keep out of reach of children.

## 10.0 Technical Service

The Marketing and Technical offices of Master Proofer Company Ltd are readily available for advice on any of the Company's products.

## 11.0 Packaging

MASTER PROOFER S533 Acryl Plastic Sealant is available in 300ml disposable cartridge, 600ml sachet.