



TECHNICAL DATA

PU Mastic Sealant

Gun Grade Construction Sealant

Description

PU Mastic Sealant provides the building, construction and fabrication industries with high abrasion resistance, excellent adhesion and outstanding toughness for internal and external applications.

PU Mastic Sealant is a single component gun grade sealant for interior and exterior use where toughness and chemical resistance, fast curing, and paintability are required.

PU Mastic Sealant will bond well to most substrates without the need for a primer and is coloured grey.

PU Mastic Sealant bonds and seals to concrete, metal and timber.

Areas of Application

- Expansion and control joints
- Perimeter window and door sealing
- Curtain walls
- Duct and general gap sealing
- Sealing roof penetrations

Features

- Excellent Adhesion - to most building substrates
- Highly Flexible - good joint movements
- Fast Curing - minimises dirt pick up
- Chemical Resistant - withstands chemical spillages
- Wide Service Temperature - -30°C to 80°C
- Multipurpose

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

General Properties

Work Time	:	N/A
Cure Time	:	24 hours*
Shore A Hardness	:	20
Maximum Elongation	:	500%
Service Temperature	:	-30°C to +80°C
Adhesion to Peel		
Glass	:	>2.7kg/cm Width
Aluminium	:	>2.7kg/cm Width
Concrete	:	>2.7kg/cm Width
Joint Movement Capability	:	Compression 25% Extension 25%
Code Compliance	:	US FED spec TT-S-00230C Type II Class A

* Assume 2mm depth/24 Hours at 25°C 65%RH

Estimating Data

300ml Cartridge PU Mastic Sealant = 4.2m (12mm x 6 mm Joint)

Joint Design

For expansion and control joints, install a closed cell polyurethane foam backing material to ensure correct dimensions. Please consult the ITW Polymers & Fluids Technical Department for further details on sealant engineering.

Application directions

Surface Preparation

With correct sealant selection and joint design, adhesion at the joint interface becomes the major critical factor. Ideal adhesion is obtained on clean, dry oil free surfaces. Damaged joints should be saw cut or repaired to give a clean bonding edge.

Surface preparation guidelines cannot cover all site or field contingencies and it is always recommended that an on-the-spot adhesion test be performed as part of the Standard Quality Assurance audit for the project.

Priming

All porous substrates such as concrete or critical applications under high stress require the use of **Epirez PU Primer**.

Application

Insert cartridge in sealant gun, cut nozzle and dispense.

Tooling/Finishing

Tool with spatula if necessary. In the final stages a solution of detergent in water will give a smooth finish.

PU Mastic Sealant may be painted when fully cured with water based and most oil based paints. (Note: Some solvent based paints may be retarded in drying - test before painting).

AUSTRALIA

ITW Polymers & Fluids
100 Hassall Street
Wetherill Park NSW 2164
Phone (02) 9757 8800 Fax (02) 9757 3855

NEW ZEALAND

ITW Polymers & Fluids
18-26 Amelia Earhart Avenue
Airport Oaks, Mangere, Auckland
Phone (09) 256 2122 Fax (09) 256 2124

Cleaning

Clean tools and equipment before hardening commences using **Epirez Clean Up Solvent**. Do not use for cleaning hands or mixing with product.

Packaging

PU Mastic Sealant is packed in 300ml cartridges.

Ordering Information:

PU Mastic Sealant	300ml	#492073
PU Primer	500ml	#492077

Safety Precautions

On contact, uncured sealant causes irritation. Avoid contact with eyes and skin. Contact lens wearers should take appropriate precautions. In case of contact, flush eyes with water. Seek medical advice. Remove from skin with dry cloth or paper towel. Keep out of reach of children.

TDG Code: **PU Mastic Sealant** - Not Classified

Note

The figures quoted for work time and cure time are not definitive. They are dependent on job site conditions and will vary accordingly. In all cases we endeavour to provide typical figures for use as a guide.

AUSTRALIA

ITW Polymers & Fluids
100 Hassall Street
Wetherill Park NSW 2164
Phone (02) 9757 8800 Fax (02) 9757 3855

NEW ZEALAND

ITW Polymers & Fluids
18-26 Amelia Earhart Avenue
Airport Oaks, Mangere, Auckland
Phone (09) 256 2122 Fax (09) 256 2124