

Plastiseal

Rubberised bitumen, mastic joint sealant compatible with bitumen based membranes

USES

For sealing joints in retaining walls, roofing (sealing horizontal chases, flashings, gutterings and sheet laps), sealing terminations of bitumen based waterproofing membranes

ADVANTAGES

- Firm, flexible weather resistant seal
- Excellent slump resistance
- Suitable for permanent immersion in water
- Compatible with asphalt or bituminous surfaces
- Resistant to alkalis and sulphates
- Easy to apply

DESCRIPTION

A flexible, gun applied sealant based on a combination of bitumen and synthetic rubber. Dries to form a rubbery seal with excellent slump resistance. Plastiseal has good resistance to biodegradation, and is suitable for sealing lap joints in gutters and drainage channels where ponded water may reside. Also suitable for general sealing or pointing work in roofing and flashing applications.

DESIGN CRITERIA

JOINT CONFIGURATION

Joints should be of a size to permit adequate application of Plastiseal. Very narrow joints are difficult to seal effectively and for most applications 5 mm should be considered as minimum width. Maximum joint width should not exceed 40 mm.

MOVEMENT ACCOMMODATION FACTOR

Joints should be designed so that total cyclic movement in tension or compression does not exceed 10% of the joint width at time of sealing. Total movement in shear should not exceed 20% of joint width at time of sealing.

PROPERTIES

Data quoted is typical for this product but does not constitute a specification.

Form:	Low slump mastic compound	
Specific gravity:	1.4	
Colour:	Black	
Physical/chemical change:	Dries by solvent release	
Drying time (solvent release):	Min 1 week at 20°C, longer if lower temperature or sealant depth greater than 20 mm	
Application temperature:	Minimum 5°C	
Temperature range in service:	Minus 20°C - 80°C	
Chemical resistance to occasional spillage:	Dilute acids	resistant
	Dilute alkalis	resistant
	Solvents	not resistant
	Petrol/fuels	not resistant
	Lubricants	not resistant
Water immersion:	Before permanent immersion in water, Plastiseal must be left for a min period of 7 days to permit full evaporation of its solvent content, dependent upon ambient conditions and depth of Plastiseal	
Movement accommodation factor (MAF):	+/- 5% for butt joints, 10% total +/-10% for lap joints, 20% total	

APPLICATION INSTRUCTIONS

JOINT PREPARATION

Ensure joint surfaces are completely dry, clean and frost free. Joint backing must also be dry. Remove all dirt, dust, laitance and loose material by vigorous wire brushing.

Remove all rust, scale and loose surface coatings from metal surfaces. Remove any oil or grease with Solvent 10.

Where a neat joint finish is required, cover the joint face edges with masking tape before Plastiseal application and remove the masking tape immediately after the sealing work has been completed.

PRIMING POROUS SURFACES

Non-moving joints normally do not require use of primer, however excessively porous surfaces or friable surfaces may need priming. Consult Parchem for advice.

PRIMING NON-POROUS SURFACES

Not normally required. Where necessary, metal surfaces should be cleaned using Solvent 10. Ferrous metals should be treated with an anti-corrosion primer.

APPLICATION

Plastiseal may be applied by gun direct from the cartridge or by trowel. When loading cartridges into gun ensure nozzle is cut to the required length and angle, and that the cartridge membrane has been punctured.

Hold gun firmly against joint at a constant angle of about 45°. Guide nozzle along the joint gradually, ensuring good contact with joint surface. Never pump the trigger hard. Wipe the nozzle occasionally to ensure a clean extrusion.

After sealant has been applied, it should be tooled to a slightly concave surface with a wooden spatula, which may be moistened with White Spirits or similar solvent.

CLEAN UP

To be removed from equipment immediately after use with a solvent such as Solvent 10 or White Spirits. Do not use solvents on hands, use suitable proprietary skin cleaner.

WATER IMMERSION

Plastiseal is suitable for permanent immersion in water, however, it is essential to allow full solvent evaporation from sealant prior to water immersion. This will take about 7 - 10 days at 15°C, longer if temperatures are lower or the Plastiseal is deeper than 20 mm.

MAINTENANCE

Mechanical damage may be repaired at any time - ensure that surface is clean, dry and free of foreign matter to allow good adhesion of new to old Plastiseal.

Plastiseal:	600 ml cartridge
Solvent 10:	4 and 20 litre drums

GUIDE TO PLASTISEAL QUANTITIES

Joint size width x depth (millimetres)	Length of joint sealed per 600 ml cartridge (metres)
10 x 20	3.0
15 x 15	2.6
15 x 20	2.0
20 x 20	1.5
20 x 25	1.2
20 x 30	1.0
25 x 25	1.0

STORAGE

12 months, stored in cool dry conditions in original, unopened containers.

IMPORTANT NOTICE

A Material Safety Data Sheet (MSDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

PRODUCT DISCLAIMER

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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ESTIMATING



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