

Ver 03 - PALFAS 01.09.21

FIX & SEAL

MS POLYMER BASED SEALANT AND ADHESIVE

- HIGHLY FLEXIBLE
- BONDS TO WET & DRY SURFACES
- AVAILABLE IN BRILLIANT WHITE
- ACCOMMODATES + / - 20% MOVEMENT
- OVER PAINTABLE



TECHNICAL SUMMARY

MATERIAL TYPE	Polyurethane Hybrid
CURING METHOD	Moisture cure
SKIN FORMULATION TIME	10 to 30 minutes
CURING RATE	4mm per 24 hours
HARDNESS	50 (+/- 5) Shore A

PALACE FIX & SEAL

A high modulus polyurethane hybrid based sealant and adhesive. This one component application is designed to cure when exposed to moisture, remaining permanently elastic, providing excellent adhesion to most substrates either wet or dry. Fix & Seal is recommended for sealing and bonding all types of sanitary fittings, glazing panels, shower trays and wall trims.

EXCELLENT
ADHESION

PROVIDES A FLEXIBLE & DURABLE
SEALED JOINT

FIX & SEAL

MS Polymer Based Sealant and Adhesive



DESCRIPTION

PALACE FIX & SEAL is a high modulus, one component, polyurethane hybrid based sealant and adhesive that remains permanently elastic and has good adhesion to most substrates. It is recommended for sealing and bonding all types of construction composites including metal panels, trays and trims. **PALACE FIX & SEAL** will also seal expansion joints in concrete panels and floor joints and can be used in applications subject to vibration and mechanical abrasion and also when fully cured can be exposed to persistent & regular wetting, even providing resistance to salt water solutions for marine applications.

Available in Clear & White.

SURFACE PREPARATION

Ensure all joint areas, voids and contact surfaces are dry, clean and free from dirt, grease and loose surface coatings. Check that any bitumen-based materials are not in a position, which requires a bond, or contact with the sealant or any materials likely to release plasticisers or solvents. It is not recommended for application to surfaces that are below 5°C as it is impossible to guarantee a dry, frost-free surface at these temperatures. Concrete must be sealed using a Primer. If in doubt consult Technical Services. This product should not be used in potable water tanks.

APPLICATION METHOD

Use a sharp knife to cut off the tip of the cartridge, whilst leaving sufficient thread in place to engage with the nozzle. Cut the nozzle tip at a 45° angle and at a point to give the required joint width. Fit the cartridge into a suitably sized skeleton gun and slowly, but consistently extrude the sealant into the joint, whilst at the same time drawing the cartridge along the line of the joint to ensure even placement. Joint depth should never exceed joint width and where this is the case it may be necessary to insert a PU foam backer strip to control joint depth adhesion to the background substrate. **PALACE FIX & SEAL** can be smoothed into the joint within 5 minutes of application using a lightly dampened pallet knife, or similar tool to give a blemish-free even surface. **PALACE FIX & SEAL** has a tack-free time from about 10 to 30 minutes subject to site temperatures, when it will start to form a skin and depending on joint depth and site conditions will take about 24 hours to achieve complete cure through the joint (typically at a rate of 4mm / 24 hours).

COVERAGE

PALACE FIX & SEAL when evenly extruded will cover at the rate according to joint dimensions (see table):

JOINT WIDTH	LITRES PER METRE RUN	METRES PER TUBE
4 X 4	0.016	20.0
5 X 5	0.025	12.4
5 X 10	0.050	6.2
10 X 10	0.100	3.2

The coverage rates shown in the above table are for guidance purpose only and do not take into full consideration the effects of site conditions and wastage when the joint face is cleaned and smoothed.

STORAGE AND PACKAGING

PALACE FIX & SEAL is supplied in standard cartridges and has a storage life of not less than 12 months if kept in dry, un-opened conditions.

HEALTH AND SAFETY

A complete PALACE material safety data sheet is available on request or online at www.palacechemicals.co.uk

QUALITY AND ENVIRONMENT

All Palace Chemicals products are manufactured under a BSI accredited ISO 9001:2015 Quality Management System, along with an ISO 14001 Environmental Management system continually working to reduce our carbon footprint by developing products such as this which have a lower environmental impact.

SPECIFIC PERFORMANCE DATA	
MATERIAL TYPE	Polyurethane Hybrid
CURING METHOD	Moisture cure
SKIN FORMULATION TIME	10 to 30 minutes
CURING RATE	4mm per 24 hours
HARDNESS	50 (+/- 5) Shore A
SHRINKAGE	< 3%
SPECIFIC GRAVITY	1.50 +/- 0.05
SERVICE TEMP °C	-40°C to 90°C
ELASTIC RECOVERY	> 90%
BREAK POINT	400% elongation
BREAK STRENGTH	1.7 N/mm ²
ELASTICITY MODULUS 100%	0.94 N/mm ²

Conforms to EN 15651 parts 1: F-EXT-INT CC & part 3 S.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 - FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK

FIX & SEAL

MS Polymer Based Sealant and Adhesive



TECHNICAL ADVISORY SERVICE

Should more specific technical information be required, contact the Palace Technical helpline on: **0151 486 6101**.

For a Technical Specification and quantity requirements, visit our 'TilingSpecifier' on the Palace website at:

<http://www.palacechemicals.co.uk>

DISCLAIMER

The information provided by this Technical data sheet is given in good faith and is to the best of our current knowledge true and accurate, however it is given without guarantee, as conditions of use and workmanship involved are both beyond our control. All information supplied is subject to the company's terms and conditions of sale, copies of which are available on request.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

PALACE CHEMICALS LTD

SPEKE HALL INDUSTRIAL ESTATE

SPEKE LIVERPOOL L24 1YA

TEL: 0151 486 6101 - FAX: 0151 448 1982

E-MAIL: SALES@PALACECHEMICALS.CO.UK