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GRAB & FIX

HIGH STRENGTH & FAST CURING SILICONE BASED SEALANT

- INSTANT HOLD ON HEAVY VERTICAL LOADS
- ADHESIVE CONTAINING HIGH FLEXURAL & TENSILE STRENGTH
- BONDS TO ALL COMMON BUILDING SUBSTRATES
- INSTANTLY BONDS TO WET SURFACES IN DAMP CONDITIONS
- AVAILABLE IN WHITE



TECHNICAL SUMMARY

MATERIAL TYPE	Polyurethane hybrid
CURING METHOD	Moisture cure
SKIN FORMULATION TIME	10 to 30 minutes
CURING RATE	3mm per 24 hours
HARDNESS SHORE A	60 white & 45 clear

PALACE GRAB & FIX

Is a modified silicone solution, providing an instant high strength bond. MS Polymer technology allows instant high strength contact across the most difficult and diverse range of surfaces. Does not require secondary support for most encountered high load bearing applications.

MAKES FIXING
EASIER

CREATES AN INSTANT HIGH
STRENGTH BOND

GRAB & FIX

High Strength & Fast Curing Silicone Based Sealant



DESCRIPTION

PALACE GRAB & FIX provides fixing performance of the highest possible standard, by combining unique instant grab consistency with the latest MS polymer technology to ensure instant high strength bonding across the most difficult and diverse range of surfaces. It has initial bond strength double that of most other grab adhesives, and does not require secondary support for most typically encountered high load bearing applications. Can be used internally or externally or even on damp or wet surfaces. **PALACE GRAB & FIX** is solvent free, cures quickly and is waterproof and weather proof for both internal & external applications.

SURFACE PREPARATION

Ensure all joints & bonding 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, then screw on the pre cut 'V' notched nozzle which must always be used to ensure the correct depth of adhesive is extruded. 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. The product consistency may at first seem stiff to extrude, so a good quality applicator gun with firm hand pressure is needed in order to achieve best results especially when fixing high load, heavy duty units. Apply the adhesive on one surface only in vertical strips 30cm apart. Immediately place item into position with good, even pressure to give an excellent initial grab. On extremely heavy items temporary support may be necessary during the curing process. Mechanical fixings should always be used in overhead applications. Yellowing may occur in installations where exposure to light is restricted. **PALACE GRAB & FIX** is by its nature stiff to gun out so always discharge using a good quality sealant gun and ensure the wide mouth nozzle is clean & clear. Do not seal mirror edges/plastic sheeting until adhesive beneath has cured and avoid using it on surfaces that

bleed oils or plasticizers. Whilst this adhesive does have sealing properties around bonded edges it should not be used where movement is expected to be greater than +/- 12.5%. Where this is the case seal edges of the bonded surface with **PALACE FIX & SEAL**.

Note: PALACE GRAB & FIX will skin over after about 15-30 minutes and full through cure will be approximately 2mm in depth per 24 hours. This may be slower on non porous surfaces in cooler environments.

COVERAGE

A single **PALACE GRAB & FIX** cartridge will be sufficient to extrude just over 5 linear metres of a 9mm diameter bead onto a smooth and flat even surface. This coverage rate is for guidance purpose only and does not take into full consideration the effects of site conditions and wastage when the joint face is cleaned and smoothed.

LIMITATIONS

PALACE GRAB & FIX is not recommended for application on PE, PP, Teflon, wax, neoprene and bituminous surfaces. Not suitable for continuous underwater applications, or use with aquaria or expansion joints. Not paintable with alkyd resin paint. On porous surfaces such as concrete a primer is recommended. Yellowing can occur in the dark. It is the users responsibility to determine suitability. Adhesion tests prior to application are recommended

STORAGE AND PACKAGING

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



EN ISO 45001



OHS 596309

EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

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High Strength & Fast Curing Silicone Based Sealant



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. Our products are guaranteed against defective materials and manufacture and will be replaced or money refunded if the goods do not comply with our promotional literature. We cannot however accept responsibility arising from the application or use of our products because we have no direct or control over where and how our products are stored and used. All products are sold and guaranteed subject to our terms and conditions of sale, copies of which may be obtained on request.

SPECIFIC PERFORMANCE DATA	
MATERIAL TYPE	Polyurethane Hybrid
CURING METHOD	Moisture cure
SKIN FORMULATION TIME	10 to 30 minutes
CURING RATE	3mm per 24 hours
HARDNESS SHORE A	60 white & 45 clear
SHRINKAGE	nil
SPECIFIC GRAVITY	1.53 white / 1.06 clear
SERVICE TEMP °C	-40°C to 100°C
MAX MOVEMENT	> 90%
BREAK POINT	300% elongation
TENSILE STRENGTH	2.20 N/mm ²
MODULUS 100%	1.35 N/mm ²

* Dependent on temperature of substrate and site conditions



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