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MULTI-PURPOSE INTERNAL SILICONE SEALANT

- SHOWS EXCELLENT ADHESION WHEN FIXING PVCU TRIMS, CLADDING AND FRAMES
- THE UNIVERSAL SOLUTION FOR WATERPROOF SEALING AROUND WORKTOPS AND LAMINATES
- CAN BE USED TO FORM MOVEMENT JOINTS IN AND AROUND TILED AREAS & PERIMETERS
- IDEAL FOR SEALING AROUND BATHS, SHOWERS, BASINS AND KITCHEN SANITARY WARE
- FOR USE AS AN ADHESIVE WHEN FIXING PVCU TRIMS, CLADDING AND PANELS

TECHNICAL SUMMARY

UNIT SIZE	300ml
BASE TYPE	Acetoxy
SKINNING TIME	< 10 minutes*
CURING RATE	2mm/24hr+ @ 23°C /
APPLICATION RATE	50% RH
APPLICATION TEMPS	20 g/min +5 - +40°C
SPECIFIC GRAVITY	1.00
SHELF-LIFE	24 months minimum

* Dependent on temperature of substrate and site conditions



PALACE MP SILICONE SEALANT

Is available in WHITE, CLEAR, GREY, BROWN, BLACK and IVORY. It easily extrudes from a cartridge with minimal gun hand pressure and will form a fully waterproof, highly elastomeric permanent seal joint around bathroom fittings; sanitary ware; ceramic tile movement joints; door and window frames.

UNIVERSAL
SOLUTION

IDEAL FOR SEALING
SHOWERS & KITCHENS

MULTI-PURPOSE

Internal Silicone Sealant



DESCRIPTION

PALACE MULTI-PURPOSE SILICONE SEALANT is a high modulus; cartridge applied highly versatile silicone sealant that easily extrudes from a cartridge with minimal gun hand pressure and will form a waterproof, highly elastomeric permanent seal joint around bathroom fittings; sanitary ware; ceramic tile movement joints; door and window frames. **PALACE MULTI-PURPOSE SILICONE SEALANT** is suitable for both interior and exterior applications and demonstrates excellent adhesion to a wide range of building materials, including glazed ceramic tiles, metal cladding, glass, impermeable coated surfaces, UPVC and most common plastics.

SURFACE PREPARATION

Ensure all joint areas, voids and contact surfaces are dry, clean and free from dirt, grease and loose surface coatings. Check that the surrounding surfaces are not likely to be sensitive to contact with the acetic acid released when the sealant is curing. Check that any bitumen-based materials are not in a position which requires a bond or contact with the sealant. Glass, metal and aluminium should be cleaned with White Spirit prior to application for optimum adhesion. Porous surfaces may require priming a small area should be tested first. 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. (Usually 6mm for most sealing applications).

APPLICATION METHOD

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. In deep bed applications such as movement joints (> 10mm), it is advisable to insert a PU foam backer strip to control joint depth adhesion to the background substrate. **PALACE MULTI-PURPOSE SILICONE SEALANT** 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 MULTI-PURPOSE SILICONE SEALANT has a tack-free time of about 8 minutes and will start to form a skin after about 30 to 40 minutes 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 3mm / 24 hours).

LIMITATIONS

PALACE MULTI-PURPOSE SILICONE SEALANT is not over-paintable, nor should it be used in contact with bitumen or asphalt coated substrates. When fully cured this product is suitable for use under full water immersion but should not be used in aquarium tanks. On highly porous surfaces such as new concrete or stonework, priming may be necessary. Do not apply in contact with substrates that may bleed oils, solvent or plasticisers.

PALACE MULTI-PURPOSE SILICONE SEALANT should not be used in conjunction with the edge sealant of doubleglazed units, or for perimeter pointing of uPVC. Do not use on surfaces based on lead, brass, marble, copper and galvanized steel.

COVERAGE

PALACE MULTI-PURPOSE SILICONE SEALANT will seal linear joints up to the following length (shown in metres), when consideration is given to both the width and depth of the joint to be filled. In deep movement joints it is advisable to use PU backer foam strips to maximise sealant output. Cure thru time is about 3mm every 24 hours.

COVERAGE TABLE						
S.G 1.00G/ml		JOINT WIDTH IN mm				
		6	12	15	20	25
JOINT DEPTH IN mm	3	17	8.5	6.8	5.1	4.1
	6	9	4.5	3.6	2.7	2.2
	8	6.6	3.3	2.6	2.0	1.6
	10	5.2	2.6	2.1	1.6	1.3
	12	4.4	2.2	1.7	1.3	1.1

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 MULTI-PURPOSE SILICONE SEALANT is supplied in standard cartridges (12 per case) and has a storage life of not less than 24 months if kept in dry, un-opened conditions at ambient room temperature conditions. Consult the SILICONE SEALANT material safety data sheet for advice on handling and safety procedures. Should further, more specific technical information be required, contact the Palace Technical helpline on 0151 486 6101.



EN ISO 14001



EMS 85788

EN ISO 9001



FM 01010

EN ISO 18001



OHS 596309

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HEALTH AND SAFETY

Always ensure that appropriate PPE is worn when applying this product to ensure protection from skin contact. Wash hands after use and launder stained clothing. Do not consume food when working with this material and keep children & animals away from any possible risk of contact. 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.

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>

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IN-SERVICE PROPERTIES	
IN SERVICE TEMPS	-30°C to +150°C
MOVEMENT ACCOMMODATION	12.5%
ELONGATION AT BREAK	500%
TENSILE STRENGTH	1.3 N/mm ²
SHORE A HARDNESS	20
PAINTABILITY	Nil
FROST RESISTANCE	-15°C
FLOW	< 2mm

	
PALACE CHEMICALS LTD SPEKE HALL INDUSTRIAL ESTATE SPEKE LIVERPOOL L24 1YA	
EN 15651:2012 Type F – EXT-INT-CC (Facade elements) Type G-CC (Glazing) Type S: CLASS S1 (Sanitary joints)	
REACTION TO FIRE	Class E
RESISTANCE TO FLOW ISO 7390	≤ 3mm
ELASTIC RECOVERY	≥ 60%
DURABILITY ISO 9047; ISO 10690 & ISO 8340	Pass
LOSS OF VOLUME ISO 10563	≤ 45%

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.

