



MULTI-PURPOSE SILICONE SEALANT

Issue – MPSS/0202

**HIGHLY FLEXIBLE
FULLY WATERPROOF**

**EXCELLENT ADHESION
ON MOST SURFACES**

**MOULD RESISTANT
SANITARY GRADE**

DESCRIPTION:

MULTI-PURPOSE SILICONE SEALANT is a high modulus; acetoxy cure; cartridge applied silicone sealant, available in **WHITE, CLEAR, GREY, BROWN, BLACK** and **IVORY**. This highly versatile product 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. 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.

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. 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:

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. 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. 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).

COVERAGE:

MULTI-PURPOSE SILICONE SEALANT will seal linear joints up to the following length, 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	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.

TECHNICAL SUMMARY:

MOVEMENT FACTOR:	ELONGATION:	DENSITY:	APPLICATION TEMPS:	SKINNING TIME	FULL CURE TIME:
+ / - 25 %	> 200%	0.95 – 0.98	+5°C up to 50°C	30 mins.	1 - 4 days (#)

STORAGE & PACKAGING:

MULTI-PURPOSE SILICONE SEALANT is supplied in standard cartridges (25 per case) and has a storage life of not less than 12 months if kept in dry, un-opened 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.

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.

PALACE CHEMICALS Ltd
Speke Hall Industrial Estate; Speke; Liverpool; L24 4AB
Tel: 0151 486 6101 – Fax: 0151 448 1982
e-mail technical@palacechemicals.co.uk