



COLOUR-LOCK 100% SILICONE SEALANT



Issue – CL100/1015

SPECIFIED FOR USE AROUND NATURAL STONE				MATCHES COLOUR SHADES WITH COLOUR-LOCK GROUTS			IDEAL FOR ALL JOINTS IN TILED KITCHENS & BATHROOMS			
MIDNIGHT	RAVEN	NATURAL GREY	STERLING SILVER	PLATINUM	MOCHA	PARCHMENT	LATTE	ANTIQUE WHITE	SILK	BRIGHT WHITE

Description:

COLOUR-LOCK 100% SILICONE SEALANT is a truly versatile, high performance one component flexible & waterproof sanitary silicone sealant for completing movement & perimeter joints around ceramic & stone tiles adjoining all types of sanitary ware and glazing systems. COLOUR-LOCK 100% SILICONE SEALANT is resistant to mould growth, suitable for both interior and exterior applications and demonstrates excellent adhesion to the widest range of building materials, including natural stone tiles where its' unique low odour "non-acetoxy" curing system prevents any staining to adjoining porous ceramic & stone tiled finishes. COLOUR LOCK 100% SILICONE SEALANT provides the perfect accompaniment to COLOUR-LOCK GROUT as each colour is matched to co-ordinate with the equivalent grout shade, ensuring that ALL joints in the completed bathroom or kitchen area can achieve a matching colour-fast finish.

Preparation:

Ensure all joint areas, voids and contact surfaces are dry, clean and free from dirt, grease, adhesive residues and loose surface coatings. Providing adjoining surfaces are clean, priming is generally not required however very highly porous surfaces may require sealing with the use of a single coat of neat TILER'S PRIMER. Joint should be designed so that ideally the depth of the joint is no greater than the width and joint depth should be no less than 5mm for joints up to 10mm wide. Joints above 10mm in width should be half that in depth.

Application:

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 about 6mm). 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. COLOUR-LOCK 100% 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. COLOUR-LOCK 100% 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:

COLOUR-LOCK 100% 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 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:	SERVICE TEMP:	SKINNING TIME	FULL cure time:
+ / - 25 %	> 300%	0.95 – 0.98	+5°C up to 50°C	< 30 mins.	1 - 4 days (#)

Complies with the requirements of EN 15651 Types: 1, F-EXT-INT-CC 25LM, 2, G-CC 25LM, 3, S-XS2

Storage & Packaging:

COLOUR-LOCK 100% SILICONE SEALANT is supplied in standard cartridges (12 per case) and has a storage life of not less than 3 years if kept in dry, un-opened conditions. Consult the COLOUR-LOCK 100% 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 1YA
 Tel: 0151 486 6101 – Fax: 0151 448 1982
 e-mail: sales@palacechemicals.co.uk

