



LEADSEAL SEALANT

Issue – LSS/1102

**HIGHLY FLEXIBLE
FULLY WATERPROOF**

**STRONG ADHESION
TO ALL ROOFING MATERIALS**

**LOW ODOUR
NEUTRAL CURE**

DESCRIPTION:

LEADSEAL SEALANT is a **GREY** one part, neutral cure; cartridge applied flexible mortar. This high quality sealant cures with atmospheric moisture to form a highly elastomeric, waterproof rubberised joint seal. It's BS5889 Type A low modulus of elasticity makes it ideally suited to accommodate the type of movement likely to occur between lead sheet and masonry based building & roofing materials, in an environment where it's excellent, long-term adhesion properties ensure a durable, permanent and reliable seal in all weather conditions. LEADSEAL SEALANT has proven excellent weatherability and is designed specifically for use in exterior roofing applications as an essential finish to ensure the prevention of rainwater ingress. It is not suitable for applications where the joint will be subject to permanent water submersion.

PREPARATION:

Ensure all joint areas, voids and contact surfaces are dry, clean and free from dirt, grease and loose surface coatings. Check that all lead flashings are well secured within the masonry structure and any bitumen-based materials are not in a position, which requires 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. LEADSEAL 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. LEADSEAL SEALANT has a tack-free time of about 6 minutes and will form a durable skin after about 30 to 40 minutes and depending on joint depth and site conditions, can take up to 1 week to achieve complete cure through the joint (depending on site humidity and temperature, cures at 2mm per 24 hours).

COVERAGE:

A standard tube of LEADSEAL 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 2mm every 24 hours	JOINT WIDTH IN mm					
	6	12	15	20	25	
JOINT DEPTH mm	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

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 off.

TECHNICAL PROPERTIES WHEN CURED:

PAINTABILITY	MODULUS:	DENSITY:	SERVICE TEMPS:	SHORE HARDNESS	MAX % ELONGATION
NIL	0.3 N/mm ²	1.03	-40°C up to 100°C	16	600

STORAGE & PACKAGING:

LEADSEAL SEALANT is supplied in standard cartridges (25 per case) and has a storage life of not less than 12 months if kept in dry, unopened conditions. Consult the LEADSEAL 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.

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