

SAFETY DATA SHEET

 **SL-957 NON-SOLVENT PU SEALANT**

DESCRIPTIONS:

SILOCK SL-957 NON-SOLVENT PU SEALANT IS A SINGLE COMPONENT, MOISTURE CURING, MODIFIED POLYURETHANE BASED SEALANT FORMULATED FOR CONSTRUCTION AND INDUSTRIAL JOINT SEALING APPLICATION. IT OFFERS EXCELLENT ADHESION TO MOST BUILDING SUBSTRATES. MODIFIED POLYURETHANE TECHNOLOGY PROVIDES A HIGHLY DURABLE & FLEXIBLE RUBBER SEAL AFTER CURING, WHICH ALSO GOOD RESISTANT TO AGING AND WEATHERING. IT ALSO CAN BE PAINTED WITH MOST OF THE TYPES OF PAINTS. IT IS NOT SUITABLE FOR STRUCTURAL GLAZING.

FEATURES:

- ◆ NON-SHRINKAGE & CRACK RESISTANT
- ◆ CONCRETE & EXPANSION JOINTS
- ◆ APPLICABLE TO WET AREAS
- ◆ SUITABLE FOR EXTERNAL & INTERNAL
- ◆ FREE OF SOLVENT
- ◆ LESS V.O.C

USES:

SPECIALLY FORMULATED AS A UNIVERSAL SEALANT FOR SEALING CONSTRUCTION CONNECTION AND EXPANSION JOINT ON MOST BUILDING MATERIALS SUCH AS CONCRETE, BRICKWORK, ALUMINIUM, STAINLESS / MILD OR GALVANISED STEEL, DOOR OR METAL FRAMES, AND CERAMICS.

DUE TO A LARGE VARIETY OF DIFFERENT COATINGS AND SUBSTRATES, WE RECOMMEND PRELIMINARY COMPATIBILITY TESTS PRIOR TO APPLICATION TO ACHIEVE DESIRABLE RESULTS.

JOINT DESIGN:

THE SPECIFIED SEALANT BEAD SIZE SHOULD BE CALCULATED TO COMPLY WITH THE COMPRESSION AND EXTENSION CAPABILITIES OF THE SEALANT IN RELATION TO THE ANTICIPATED JOINT WIDTH DUE TO EXPANSION AND CONTRACTION.

SL-957 NON-SOLVENT PU SEALANT HAS A MOVEMENT ACCOMODATION FACTOR (MAF) OF 25%. THE THEORETICAL MINIMUM JOINT WIDTH MAY BE CALCULATED

$$W = \frac{M}{MAF/100} + M$$

M = EXPECTED MAXIMUM WORKING MOVEMENT OF JOINT

MAF = MOVEMENT ACCOMODATION FACTOR OF SEALANT

A MINIMUM OF 6MM SUBSTRATE SEALANT BOND IS NECESSARY TO ENSURE ADEQUATE ADHESION AND ACCOMMODATE MOVEMENT. JOINT DEPTH SHOULD NOT LESS THAN 6MM AND NOT GREATER THAN 10MM. USE 2:1 WIDTH TO DEPTH RATIO UP TO 20MM IN WIDTH. BACKER MATERIAL SHOULD BE INSTALLED TO PREVENT 3 SIDE ADHESION AND TO CONTROL SEALANT DEPTH.

SAFETY DATA SHEET

SILOCK® SL-957 NON-SOLVENT PU SEALANT
PROFESSIONAL SOLUTION

SUITABLE JOINT DEPTH VS WIDTH:

6MM X 6MM
6MM X 12MM
10MM X 20MM

APPLICATION:

- ◆ SUBSTRATES MUST BE CLEAN, DRY AND FREE FROM GREASE. REMOVE ALL DIRT, OIL, GREASE, DETERGENTS AND LOOSE MATERIAL.
- ◆ THE JOINT EDGES CAN BE MASKED WITH TAPE TO PREVENT CONTAMINATION OF ADJACENT SUBSTRATES. THE TAPE SHOULD BE REMOVED CAREFULLY AFTER TOOLING.
- ◆ CUT TIP OFF CARTRIDGE. CUT NOZZLE TO DESIRED SIZE AT 45° ANGLE. SCREW NOZZLE ONTO CARTRIDGE. PLACE CARTRIDGE INTO CAULKING GUN.
- ◆ EXTRUDE THE SEALANT FILMLY INTO JOINT TO ENSURE COMPLETE CONTACT WITH JOINT FACES.
- ◆ TOOL AS REQUIRED WITHIN THE TOOLING TIME TO ACHIEVE SMOOTH SURFACE.

SPECIFICATIONS:

PROPERTIES	VALUE	METHOD
CURING SYSTEM	NEUTRAL	-
APPEARANCE	THIXOTROPIC PASTE	VISUAL
SPECIFIC GRAVITY	1.61 +/- 0.05	ASTM D 1475
SKIN FORMATION	10 – 15 MINS	* 25°C, 65% RH
CURING SPEED	3MM/24H	* 25°C, 65% RH
HARDNESS (SHORE A)	32	ASTM D2240
ELONGATION AT BREAK	650% APPROX.	ASTM D412
TENSILE AT BREAK	0.65 MPA	ASTM D412
SECANT MODULUS @ 23°C AT 100% ELONGATION	0.35 MPA	ASTM D412
APPLICATION TEMP.	5°C TO 40°C	-
SERVICE TEMP.	-40°C TO 90°C	-
SHELF LIFE	12 MONTHS	-

STORAGE:

MATERIAL SHOULD BE STORED IN A DRY AND COOL PLACE BETWEEN +5°C TO +30°C.

CAUTION:

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET OF THIS PRODUCT BEFORE HANDLING OR USING.

THIS INFORMATION IS PROVIDED IN GOOD FAITH AND IS BELIEVED ACCURATE BASED ON A REVIEW OF CURRENT COMPOSITION AND INFORMATION SUPPLIED BY VENDORS. NO WARRANTY IS EXPRESSED OR IMPLIED. LIABILITY IS EXPRESSLY DISCLAIMED.