

REV : 02  
DATE : 15<sup>th</sup> Aug 2018**TECHNICAL DATA SHEET****SL-913 HYBRID POLYMER SEALANT****DESCRIPTIONS:**

**SILOCK SL-913 HYBRID POLYMER SEALANT** IS BASED UPON HYBRID SILYL MODIFIED POLYETHER TECHNOLOGY. IT IS AN ODOURLESS, ONE PART ADHESIVE SEALANT SUITABLE FOR ALL KIND OF INDUSTRIAL APPLICATIONS EVEN IN ADVERSE CONDITIONS. IT HAS HIGH BOND STRENGTH AND PRIMERLESS ADHESION ON MOST TYPE OF SUBSTRATES OR MOIST SURFACES. IT CAN BE PAINTED WITH MOST KIND OF PAINTS AND HAS SUPERIOR WEATHERABILITY IN ALL CLIMATES. IT HAS A WIDE TEMPERATURE RANGE AND WILL NOT FORM BUBBLE WITHIN SEALANT EVEN IN A HIGH HUMIDITY CONDITION. IT IS AN IDEAL PRODUCT FOR ALL IN ONE INDOOR AND OUTDOOR BONDING AND SEALING PURPOSES.

**FEATURES**

- ◆ GOOD MECHANICAL STRENGTH
- ◆ PERMANENTLY FLEXIBLE, NON-SHRINKAGE AND NON-BLEEDING PROPERTIES
- ◆ NO VISIBLE STAIN EVEN ON POROUS SUBSTRATE
- ◆ FREE OF ISOCYANATE, SOLVENT AND ACID
- ◆ EXCELLENT UV AND WEATHER RESISTANCE
- ◆ NO BUBBLE FORMATION WITHIN SEALANT
- ◆ CAN BE APPLIED ON DAMP SURFACES
- ◆ PRIMERLESS ADHESION ON MOST SURFACES

**USES:**

ELASTIC BONDING AND SEALING FOR:

- |                |                 |
|----------------|-----------------|
| ◆ BUS          | ◆ FLOORING      |
| ◆ TRAIN        | ◆ METAL FRAMES  |
| ◆ TRAILERS     | ◆ NATURAL STONE |
| ◆ CARAVAN      | ◆ ALUMINIUMS    |
| ◆ YACHT        | ◆ CONCRETE      |
| ◆ CONSTRUCTION | ◆ FIBRE GLASS   |

**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.

GENERALLY CALCULATION OF THE WIDTH OF SL-913 SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF A MAXIMUM  $\pm 20\%$  OF THE ORIGINAL JOINT WIDTH.

COMPRESSION AND EXTENSION CAPABILITY MINIMUM BEAD SIZE SHOULD NOT BE LESS THAN 2MM TO ACCOMMODATE MOVEMENT. THE WIDTH OF THE JOINT SHOULD BE TWO TIMES THE DEPTH OF THE JOINT

- JOINT SIZE MINIMUM WIDTH: 2 MM FOR BONDING & 5 MM FOR JOINTS
- JOINT SIZE MAXIMUM WIDTH: 10 MM FOR BONDING & 30 MM FOR JOINTS
- JOINT SIZE MINIMUM DEPTH: 5 MM

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- SUBSTRATES MUST BE CLEAN, DRY AND FREE FROM GREASE. REMOVE ALL DIRT, OIL, GREASE, DETERGENTS AND LOOSE MATERIAL.
- CUT TIP OFF CARTRIDGE. CUT NOZZLE TO DESIRED SIZE AT 45° ANGLE. SCREW NOZZLE ONTO CARTRIDGE. INSERT CARTRIDGE INTO CAULKING GUN.
- PUSH SEALANT AHEAD FOR UNIFORM BEAD
- CLEAN OFF EXCESS SEALANT WITH M.E.K. OR TOLUENE BEFORE DRY.

**CURING TIME:**

SL-913 WILL SKIN FORMING IN APPROXIMATELY 15 MINUTES AND IT WILL CURE TO A DEPTH OF 10 MM IN 7 DAYS. LONGER CURING TIME MAY BE NECESSARY IN DRY AND LOW HUMIDITY AREA.

**SPECIFICATIONS:**

PROPERTIES	VALUE	METHOD
CURING SYSTEM	NEUTRAL	-
APPEARANCE	NON-SAGGING PASTE	VISUAL
SMELL	ODOURLESS	VISUAL
SPECIFIC GRAVITY	1.60 +/- 0.05	ASTM D 1475
HARDNESS (SHORE A)	30	ASTM D2240
ELONGATION AT BREAK	800% APPROX.	ASTM D412
TENSILE AT BREAK	0.75 MPA	ASTM D412
SECANT MODULUS @ 23°C AT 100% ELONGATION	0.38 MPA	ASTM D412
APPLICATION TEMP.	5°C TO 40°C	-
SERVICE TEMP.	-40°C TO 100°C	-
SHELF LIFE	9 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.

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