

REV : 01  
DATE : 15<sup>th</sup> Aug 2018**TECHNICAL DATA SHEET****SL-520 100% RTV ACETIC SILICONE SEALANT****DESCRIPTIONS:**

**SILOCK SL-520 100% RTV ACETIC SILICONE SEALANT** IS A SINGLE COMPONENT, HIGH PERFORMANCE PROFESSIONAL GRADE 100% RTV ACETOXY SILICONE SEALANT. IT IS SUITABLE FOR A WIDE RANGE OF SEALING AND GLAZING APPLICATIONS WHERE DURABILITY AND RELIABILITY IS REQUIRED. IT HAS SUPERIOR RESISTANT TO UV-RADIATION, VIBRATION AND WEATHERING, ETC. IT ADHERES TO A VARIETY OF NON-POROUS SUBSTRATES SUCH AS GLASS, CERAMIC, TILES, ALUMINIUM, FIBREGLASS, NON-OILY WOOD, ETC.

**FEATURES:**

- ◆ CERTIFY TO ASTM C920-CLASS 25
- ◆ JOINT MOVEMENT CAPABILITY UP TO +/- 25 %
- ◆ SINGLE COMPONENT
- ◆ ACETIC ACID CURING SYSTEM
- ◆ DURABILITY AND RELIABILITY
- ◆ PERMANENTLY FLEXIBLE
- ◆ EXCELLENT GUNNABILITY
- ◆ RESISTANT TO UV-RADIATION
- ◆ RESISTANT TO VIBRATION
- ◆ RESISTANT TO WEATHERING
- ◆ LOW SHRINKAGE
- ◆ NO SAGGING
- ◆ PRIMERLESS ADHESION TO MOST MATERIALS

**USES:**

- ◆ A VARIETY OF NON-POROUS SUBSTRATES SUCH AS GLASS, CERAMIC, TILES, ALUMINIUM, FIBREGLASS, NON-OILY WOOD, ETC.

**WE RECOMMEND PRELIMINARY COMPATIBILITY TESTS PRIOR TO APPLICATION TO ACHIEVE DESIRABLE RESULTS**

**NOT RECOMMENDED FOR:**

NOT SUITABLE WHERE THE ACETIC ACID COMPONENT WILL CORRODE THE BASE MATERIAL.  
NOT FOR: TRAFFIC AREAS OR AREAS SUBJECT TO ABRASION.  
NOT FOR: STRUCTURAL GLAZING.  
NOT FOR: ON MARBLE, QUARTZITE OR NATURAL STONES.

**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 S-A1 SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF A MAXIMUM  $\pm 25\%$  COMPRESSION AND EXTENSION CAPABILITY MINIMUM BEAD SIZE SHOULD NOT BE LESS THAN 3MM TO ACCOMMODATE MOVEMENT. DESIGN JOINT DEPTH OF WHICH RATIO WIDTH BECOMES 0.5 TO 1.

SUITABLE JOINT DEPTH VS WIDTH:

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8MM X 12MM  
10MM X 20MM

- \* JOINT SIZE MINIMUM 3MM X 3MM.
- \* JOINT SIZE MAXIMUM 30MM.

**APPLICATIONS:**

- ◆ SURFACE MUST BE CLEAN AND DRY.
- ◆ MASK SMOOTH SURFACE TO SIMPLIFY CLEAN UP.
- ◆ USE APPROVED BACK-UP MATERIAL IN JOINT.
- ◆ CUT NOZZLE TO DESIRED SIZE.
- ◆ INSERT CARTRIDGE INTO CAULKING GUN.
- ◆ PUSH SEALANT AHEAD FOR UNIFORM BEAD.
- ◆ TOOL WITHIN 5 MINUTES.
- ◆ CLEAN OFF EXCESS SEALANT WITH M.E.K. OR TOLUENE.

**CURING TIME:**

SL-520 WILL TACK FREE IN APPROXIMATELY 15 MINUTES AND WILL CURE TO A DEPTH OF 10MM IN 7 DAYS. LONGER CURING TIME MAY BE NECESSARY IN DRY AND LOW HUMIDITY AREA.

**SPECIFICATIONS:**

CURING SYSTEM	ACETOXY
APPEARANCE	NON-SAGGING PASTE
ODOUR	VINEGAR SMELL
SPECIFIC GRAVITY	1.02 ± 0.02
SHORE A HARDNESS	30 APPROX.
ELONGATION	400% APPROX.
TENSILE STRENGTH	1.0 ± 0.2MPA
TACK FREE TIME	15 MINUTES
APPLICATION TEMP.	-20°C TO 50°C
SERVICE TEMP.	-50°C TO 150°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.

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