

TECHNICAL DATA SHEET



SL-545 UNIVERSAL ACETOXY SILICONE SEALANT – ANTI FUNGUS

DESCRIPTION:

SILOCK™ SL-545 IS A SINGLE COMPONENT, COST-EFFECTIVE, DURABLE AND UNIVERSAL ACETOXY SILICONE SEALANT WITH EXCELLENT ANTI-FUNGAL PROPERTIES. IT RESISTS MILDEW AND SUITABLE FOR MANY COMMON AREAS WHERE UNDER HIGH HUMIDITY AND TEMPERATURE CONNDITIONS MAY BE ENCOUNTERED. IT IS SUITABLE FOR A WIDE RANGE OF SEALING AND GLAZING APPLICATIONS. IT ADHERES TO A VARIETY OF NON-POROUS SUBSTRATES SUCH AS GLASS, CERAMIC, TILES, ALUMINIUM, FIBREGLASS, NON-OILY WOOD, ETC.

FEATURES:

- ◆ SINGLE COMPONENT
- ◆ MOULD & MILDEW RESISTANT (FUNGICIDE)
- ◆ ACETIC ACID CURING SYSTEM
- ◆ DURABILITY AND RELIABILITY
- ◆ PERMANENTLY FLEXIBLE
- ◆ EXCELLENT GUNNABILITY
- ◆ RESISTANT TO UV-RADIATION
- ◆ RESISTANT TO VIBRATION
- ◆ RESISTANT TO WEATHERING
- ◆ NO SAGGING
- ◆ PRIMERLESS ADHESION TO MOST MATERIALS

USES:

- ◆ IT ADHERES TO A VARIETY OF NON-POROUS SUBTRATES SUCH AS GLASS, CERAMIC, TILES, ALUMINIUM, FIBREGLASS, NON-OILY WOOD, ETC.

WE RECOMMEND PRELIMINARY COMPATIBILTY TESTS PRIOR TO APPLICATION TO ACHIEVE DESIRABLE RESULTS

NOT RECOMMENDED FOR:

NOT RECOMMENDED FOR AQUARIUM.
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: PAINTS COATING.
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-A3 SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF A MAXIMUM $\pm 20\%$
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.

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SUITABLE JOINT DEPTH VS WIDTH:

6mm x 6mm

8mm x 12mm

10mm x 20mm

* JOINT SIZE MINIMUM 3mm x 3mm.

* JOINT SIZE MAXIMUM 30mm.

APPLICATION:

- ◆ 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-545 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.

SPECIFICATION:

CURING SYSTEM	ACETOXY
APPEARANCE	NON-SAGGING PASTE
ODOUR	VINEGAR SMELL
SPECIFIC GRAVITY	0.96 ± 0.05
SHORE A HARDNESS	22 APPROX.
ELONGATION	300%
TENSILE STRENGTH	1.4MPa APPROX.
TACK FREE TIME	15 MINUTES
APPLICATION TEMP.	-20°C TO 50°C
SERVICE TEMP.	-40°C TO 100°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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