

## TECHNICAL DATA SHEET

### **SL-712 WEATHER LOCK NEUTRAL SILICONE SEALANT (LM)**

#### DESCRIPTION:

**SILOCK SL-712 WEATHER LOCK NEUTRAL SILICONE SEALANT (LM)** IS A SINGLE COMPONENT, LOW MODULUS RTV NEUTRAL 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:

- ◆ SINGLE COMPONENT
- ◆ LOW MODULUS
- ◆ MATTE FINISH
- ◆ NEUTRAL, OXIME CURING SYSTEM
- ◆ NON CORROSIVE TO METALS
- ◆ NON CORROSIVE TO ALKALINE SUBSTRATES
- ◆ NON CORROSIVE TO AUTOMOBILES
- ◆ 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:

- ◆ IT ADHERES TO 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 FOR: TRAFFIC AREAS OR AREAS SUBJECT TO ABRASION.
- NOT FOR: PAINTS COATING.
- NOT FOR: POLY-CARBONATE OR POLYACRYLATE IF THEY UNDER TENSION.
- NOT FOR: COPPER MATERIALS.

**TECHNICAL DATA SHEET****SILOCK® SL-712 WEATHER LOCK NEUTRAL SILICONE  
SEALANT (LM)****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-712 SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF A MAXIMUM ± 30 % 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:

6MM X 6MM  
8MM X 12MM  
10MM X 20MM

- \* JOINT SIZE MINIMUM 3MM X 3MM.
- \* JOINT SIZE MAXIMUN 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-712 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	NEUTRAL (OXIME)
APPEARANCE	NON-SAGGING PASTE
ODOUR	LOW OXIME SMELL
SPECIFIC GRAVITY	1.36 ± 0.05
SHORE A HARDNESS	25 APPROX.
ELONGATION	500% APPROX.
TENSILE STRENGTH	1.00MPA APPROX.
TACK FREE TIME	WITHIN 15 MINUTES
APPLICATION TEMP.	-20°C TO 50°C
SERVICE TEMP.	-50°C TO 150°C
SHELF LIFE	12 MONTHS

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**SILOCK®** SL-712 WEATHER LOCK NEUTRAL SILICONE  
SEALANT (LM)

**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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PROFESSIONAL  
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