



**MOHM CHEMICAL SDN. BHD.** (Co.No.276851-U)  
**MCX MARKETING SDN. BHD.** (Co.No.363532-T)

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REV : 01  
DATE : 12<sup>th</sup> Oct 2012

## TECHNICAL DATA SHEET

### **xtraseal® SA-103 MULTIPURPOSE RTV ACETOXY SILICONE SEALANT**

#### **DESCRIPTION:**

**xtraseal®** SA-103 MULTIPURPOSE SILICONE SEALANT IS ONE PART SEALANT THAT OFFER EXCELLENT ADHESION, WEATHERABILITY AND ELASTICITY FOR GENERAL GLAZING AND FOR SEALING APPLICATION.

#### **FEATURES:**

- ◆ ACETIC ACID CURING SYSTEM
- ◆ OUTSTANDING DURABILITY
- ◆ ONE PART NO MIXING
- ◆ PERMANENTLY FLEXIBLE
- ◆ EXCELLENT GUNNABILITY (-20°C TO 50°C)
- ◆ WEATHER PROOF
- ◆ LOW SHRINKAGE
- ◆ NO SAGGING
- ◆ PRIMERLESS ADHESION TO MOST MATERIALS
- ◆ UV RESISTANCE

#### **USES:**

- ◆ GENERAL GLAZING: GLASS, PLASTIC, CHANNEL OR STOP.
- ◆ CURTAINWALL SEALING: GLASS, STEEL, GRANITE AND PLASTIC.
- ◆ GENERAL SEALING: SHEET METAL, SKYLIGHTS, VENTILATORS, AIR-CONDITIONING.

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

#### **NOT RECOMMENDED FOR:**

SA-103 IS AN ACETIC ACID CURING SILICONE AND IS 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-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.

SUITABLE JOINT DEPTH VS WIDTH:

6mm x 6mm

8mm x 12mm

10mm x 20mm

\* JOINT SIZE MINIMUM 3mm x 3mm.

\* JOINT SIZE MAXIMUM 30mm.



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### **xtraseal® SA-103 MULTIPURPOSE RTV ACETOXY SILICONE SEALANT**

#### **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:**

SA-103 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	0.97 ± 0.05
SHORE A HARDNESS	15 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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