



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

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TECHNICAL DATA SHEET

xtraseal® S-A1 100% RTV ACETOXY SILICONE SEALANT

DESCRIPTION:

xtraseal® S-A1 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, METAL, GRANITE AND PLASTIC.
GENERAL SEALING: SHEET METAL, SKYLIGHTS, VENTILATORS, AIR-CONDITIONING.
GLASS SEALING AND ADHESION FOR AQUARIUM.

LIMITATIONS:

S-A1 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-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:

6mm x 6mm
8mm x 12mm
10mm x 20mm



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- * 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:

S-A1 SILICONE WILL TACK FREE IN APPROXIMATELY 15 MINUTES AND WILL CURE TO A DEPTH OF 10mm IN 7 DAYS.

SPECIFICATION:

CURING SYSTEM	ACETOXY
APPEARANCE	NON-SAGGING PASTE
ODOUR	VINEGAR SMELL
SPECIFIC GRAVITY	1.03±0.01
SHORE A HARDNESS	23 APPROX.
ELONGATION	400%
TENSILE STRENGTH	2.0±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

CAUTION:

UNCURED SEALANT MAY CAUSE SKIN, EYE AND RESPIRATORY SYSTEM IRRITATION.
USE ONLY IN WELL VENTILATED AREAS.

USE APPROPRIATE PERSONAL PROTECTION TO AVOID CONTACT WITH SKIN AND EYES.

IN CASE OF EYE CONTACT OR IRRITATION, FLUSH EYE IMMEDIATELY WITH RUNNING WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION.

IN CASE OF SKIN CONTACT, WASH AFFECTED AREAS WITH HAND CLEANER FOLLOWED BY SOAP AND WATER. PRODUCT RELEASES ACETIC ACID DURING APPLICATION AND CURING. FOR FURTHER HEALTH AND SAFETY INFORMATION CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET.