

MS-603

MS POLYMER ADHESIVE / SEALANT



DESCRIPTION:

x'traseal MS-603 IS BASED UPON **HYBRID SILYL MODIFIED POLYETHER TECHNOLOGY**. IT IS AN ODORLESS, ONE PART ADHESIVE SEALANT SUITABLE FOR ALL KIND OF INDUSTRIAL APPLICATIONS EVEN IN ADVERSE CONDITIONS. IT HAS HIGH BOND STRENGTH AND PRIMERLESS ADHESION ON MOST TYPE OF SUBSTRATES OR MOIST SURFACES. IT CAN BE PAINTED WITH MOST KIND OF PAINTS AND HAS SUPERIOR WEATHERABILITY IN ALL CLIMATES. IT HAS A WIDE TEMPERATURE RANGE AND WILL NOT FORM BUBBLE WITHIN SEALANT EVEN IN A HIGH HUMIDITY CONDITION. IT IS AN IDEAL PRODUCT FOR ALL IN ONE INDOOR AND OUTDOOR BONDING AND SEALING PURPOSES.

FEATURES

- ◆ GOOD MECHANICAL STRENGTH
- ◆ NO VISIBLE STAIN EVEN ON POROUS SUBSTRATE
- ◆ EXCELLENT UV RADIATION AND WEATHER RESISTANCE
- ◆ NON-STAINING AND CRACK RESISTANT
- ◆ PERMANENTLY FLEXIBLE & NON-SHRINKAGE
- ◆ FREE OF ISOCYANATE, SOLVENT AND ACID
- ◆ NO BUBBLE FORMATION WITHIN SEALANT
- ◆ PRIMERLESS ADHESION ON MOST SUBSTRATES
- ◆ CAN BE APPLIED ON DAMP SURFACE

USES:

ELASTIC BONDING AND SEALING FOR:

- | | |
|----------------|---------------|
| ◆ BUS | ◆ FLOORING |
| ◆ TRAIN | ◆ METAL |
| ◆ TRAILERS | ◆ FRAMES |
| ◆ CARAVAN | ◆ NATURAL |
| ◆ YACHT | ◆ STONE |
| ◆ CONSTRUCTION | ◆ ALUMINIUMS |
| | ◆ CONCRETE |
| | ◆ FIBRE GLASS |

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

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 MS-603 SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF A MAXIMUM $\pm 25\%$ OF THE ORIGINAL JOINT WIDTH.

A MINIMUM OF 6MM SUBSTRATE SEALANT BOND IS NECESSARY TO ENSURE ADEQUATE ADHESION AND ACCOMMODATE MOVEMENT. JOINT DEPTH SHOULD NOT LESS THAN 6MM AND NOT GREATER THAN 10MM. USE 2:1 WIDTH TO DEPTH RATIO UP TO 20MM IN WIDTH. BACKER MATERIAL SHOULD BE INSTALLED TO PREVENT 3 SIDE ADHESION AND TO CONTROL SEALANT DEPTH.

SUITABLE JOINT DEPTH VS WIDTH:

- 6MM X 6MM
- 6MM X 12MM
- 10MM X 20MM

APPLICATION:

- SUBSTRATES MUST BE CLEAN, DRY AND FREE FROM GREASE. REMOVE ALL DIRT, OIL, GREASE, DETERGENTS AND LOOSE MATERIAL.
- CUT TIP OFF CARTRIDGE. CUT NOZZLE TO DESIRED SIZE AT 45° ANGLE. SCREW NOZZLE ONTO CARTRIDGE. INSERT CARTRIDGE INTO CAULKING GUN.
- PUSH SEALANT AHEAD FOR UNIFORM BEAD
- TOOL AS REQUIRED TO PROPERLY FILL JOINT.
- CLEAN OFF EXCESS SEALANT WITH M.E.K. OR TOLUENE BEFORE DRY.

CURING TIME:

MS-603 WILL SKIN FORMING IN APPROXIMATELY 15 MINUTES AND IT WILL CURE TO A DEPTH OF 10 MM IN 7 DAYS. LONGER CURING TIME MAY BE NECESSARY IN DRY AND LOW HUMIDITY AREA.



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SPECIFICATION:

PROPERTIES	VALUE	METHOD
CURING SYSTEM	NEUTRAL	-
APPEARANCE	NON-SAGGING PASTE	VISUAL
SMELL	ODOURLESS	VISUAL
SPECIFIC GRAVITY	1.58 +/- 0.05	ASTM D 1475
HARDNESS (SHORE A)	30	ASTM D2240
ELONGATION AT BREAK	800% APPROX.	ASTM D412
TENSILE AT BREAK	0.75 MPA	ASTM D412
SECANT MODULUS @ 23°C AT 100% ELONGATION	0.38 MPA	ASTM D412
APPLICATION TEMP.	5°C TO 40°C	-
SERVICE TEMP.	-40°C TO 100°C	-
LAP SHEAR STRENGTH (AL. TO AL.)	0.80 MPA	ASTM C961
SHELF LIFE	9 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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