



MOHM CHEMICAL SDN. BHD. (Co. No. 276851-U)

MCX MARKETING SDN. BHD. (Co. No. 363532-T)

H.Q. : No. 32, Jalan Temenggong, Off Jalan Tampoi, 81100 Johor Bahru, Johor, Malaysia.
Tel: (60) 7 333 1222 Fax: (60) 7 332 0545/ 333 7919

Branch: No. 43, Jalan Tambur 33/19, Sek. 33, Shah Alam Technology Park,
40400 Shah Alam, Selangor, Malaysia.

Tel: (60) 3 5124 0876/ 5124 0878 Fax: (60) 3 5124 0877

Email: info@mochem.com Website: www.mochem.com/ www.xtraseal.com

TECHNICAL DATA SHEET

xtraseal® PU-501 AUTO GLASS SEALANT

DESCRIPTION:

xtraseal® PU-501 AUTO GLASS SEALANT IS A ONE PART, HIGH VISCOSITY, POLYURETHANE BASED SEALANT WHICH CURES BY THE ACTION OF AIR MOISTURE AND CHANGE THE PRODUCT FROM A PASTY TO AN ELASTOMERIC MASTIC. IT OFFERS EXCELLENT ADHESION ON GLASS AND METAL. IT IS MOST SUITABLE FOR BONDING WINDSHIELD IN THE AUTOMOTIVE INDUSTRY.

FEATURES:

- ◆ HIGH MODULAS & TENSILE STRENGTH
- ◆ EXCELLENT ADHESION ON GLASS AND METAL SURFACE
- ◆ OUTSTANDING DURABILITY
- ◆ PERMANENTLY FLEXIBLE
- ◆ WEATHERPROOF
- ◆ GOOD UV RESISTANCE

USES:

SEALING FOR AUTOMOTIVE WINDSCREEN, WINDOWS AND SCUTTLES
SEALING IN AUTOMOTIVE, CARAVAN, SHIP BULDING AND RAILWAY INDUSTRY

LIMITATIONS:

AVOID EXPOSURE TO HIGH LEVEL OF CHLORINE.
AVOID CONTACT WITH ALCOHOL AND OTHER SOLVENT CLEANERS DURING CURE.
DO NOT CURE IN THE PRESENCE OF CURING SILICONE SEALANTS.
DO NOT APPLY WHEN A MOISTURE VAPOUR TRANSMISSION CONDITION EXISTS AT TIME OF APPLICATION, AS THIS CAN CAUSE BUBBLING WITHIN THE SEALANT.

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.

SEALANT WIDTH SHOULD NEVER BE LESS THAN SEALANT DEPTH.

GENERALLY CALCULATION OF THE WIDTH OF PU SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF WIDE MOVEMENT ACCOMMODATION OF $\pm 25\%$.

COMPRESSION AND EXTENSION CAPABILITY MINIMUM BEAD SIZE SHOULD NOT LESS THAN 3mm TO ACCOMMODATE MOVEMENT.DESIGN JOINT DEPTH OF WHICH RATIO WIDTH BECOMES 0.5 TO 1.

JOINT DEPTH MAXIMUN 15mm.



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APPLICATION:

- SURFACE MUST BE CLEAN AND DRY. REMOVE ALL DIRT, OIL, GREASE, DETERGENTS AND LOOSE MATERIAL.
- MASK SMOOTH SURFACE TO SIMPLIFY CLEAN UP.
- CUT TIP OFF CARTRIDGE. CUT NOZZLE TO DESIRED SIZE AT 45° ANGLE. INSERT CARTRIDGE INTO CAULKING GUN.
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- PUSH SEALANT AHEAD FOR UNIFORM BEAD.
- TOOL WITHIN 15 MINUTES WITH JOINT NAIL OR PUTTY KNIFE.
- CLEAN OFF EXCESS SEALANT WITH M.E.K. OR TOLUENE BEFORE DRY
- DO NOT APPLY THE SEALANT BELOW +5°C. WARM UP THE CARTRIDGES OR SAUSAGE AT 20°C IF APPLICATION BY COLD WEATHER

SPECIFICATION:

| | |
|-------------------------|-----------------------------------|
| TYPE | THIXOTROPIC PASTE |
| COLOR | BLACK |
| ODOUR | LIGHT |
| APPEARANCE | NON-SAGGING PASTE |
| SPECIFIC GRAVITY | 1.19 |
| SHORE A HARDNESS | >55 |
| E-MODULUS AT 100% | 500psi |
| SKINNING TIME | 40 – 60 MINUTES |
| CURE RATE | 4mm per 24 HOURS (23°C & 50%R.H.) |
| APPLICATION TEMPERATURE | +5°C TO +35°C |
| STORAGE TEMPERATURE | BETWEEN (+5°C ~ +25°C) |
| SHELF LIFE | 12 MONTHS (+5°C ~ +25°C) |

CAUTION:

UNCURED SEALANT MAY IRRITATE EYES. IN CASE OF CONTACT WITH EYES, FLUSH WITH WATER AND OBTAIN MEDICAL ADVICE. USE IN WELL VENTILATED AREA.

SHELF LIFE:

USE WITHIN 12 MONTHS FROM DATE OF PRODUCTION. STORE IN DRY AND COOL CONDITION BETWEEN 5°C & 30°C