



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

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

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TECHNICAL DATA SHEET

x'traseal[®] 500°F BLUE RTV SILICONE

DESCRIPTION:

x'traseal[®] 500° BLUE SILICONE IS A HIGH TEMPERATURE RESISTANCE SILICONE FOR SENSOR SAFE AND HEAVY-DUTY APPLICATIONS, THIS FAST CURING SILICONE MAKES PERFECT GASKET THAT RESIST CRACKING, SHRINKAGE AND MIGRATION CAUSE BY THERMAL CYCLING, IT REMAIN FLEXIBLE AND STABLE FROM -62°C TO 260°C, IDEAL FOR ENGINE REPAIRING AND REPLACEMENT FOR PAPER, RUBBER AND ASBESTOS GASKET.

FEATURES:

- ◆ OUTSTANDING HIGH TEMPERATURE RESISTANCE UPTILL 260°C.
- ◆ EXCELLENT OIL AND GREASE RESISTANCE.
- ◆ NO SAGGING.
- ◆ PRIMERLESS ADHESION TO MOST MATERIALS.

USES:

HIGH TEMPERATURE RESISTANT GASKET AND JOINT SEALING.

FORM IN PLACE GASKET APPLICATIONS.

ASSEMBLIES OF VALVE COVER, TIMING COVER, OIL PAN, TRANSMISSION PAN, WATER PUMP, THERMOSTAT HOUSING FOR AUTOMOBILES.

LIMITATIONS:

NOT PAINTABLE.

NOT USE FOR PE, PP, PTFE AND BITUMINOUS SURFACE.

DO NOT USE FOR PARTS THAT CONTINUOUSLY IMMERSSED IN GASOLINE

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 THERMAL EXPANSION AND CONTRACTION.

GENERALLY CALCULATION OF THE WIDTH OF 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

- * JOINT SIZE MINIMUM 3mm x 3mm.
- * JOINT SIZE MAXIMUN 30mm.



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APPLICATION:

- ◆ REMOVE OLD GASKET MATERIAL FROM SURFACES THOROUGHLY.
- ◆ CLEAN SURFACE WITH RESIDUE-FREE SOLVENT AND ALLOW SURFACE TO DRY.
- ◆ CUT NOZZLE TO DESIRED SIZE.
- ◆ SQUEEZE TUBE TO FORM A CONTINUOUS AND EVEN BEAD TO THE PERIMETER OF MATING SURFACE AND ALL BOLT HOLES.
- ◆ TOOL WITHIN 5 MINUTES.
- ◆ TIGHTENED TO THE REQUIRED TORQUE, DO NOT OVERTIGHTEN.
- ◆ CLEAN OFF EXCESS SEALANT WITH M.E.K. OR TOLUENE.

CURING TIME:

BLUE SILICONE WILL TACK FREE IN APPROXIMATE 5 MINUTES AND WILL CURE TO A DEPTH OF 10mm WITHIN 7 DAYS.

SPECIFICATION:

CURING SYSTEM	ACETOXY
APPEARANCE	NON-SAGGING PASTE
ODOUR	VINEGAR SMELL
SPECIFIC GRAVITY	1.06±0.01
SHORE A HARDNESS	APPROX. 29.
ELONGATION	400%
TENSILE STRENGTH	APPROX. 2.8MPa
TOOLING TIME	5 MINUTES
TACK FREE TIME	30 MINUTES
APPLICATION TEMP.	-20°C TO 50°C
SERVICE TEMPERATURE	-62°C TO 260°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.