



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® 700°F COPPER RTV SILICONE

DESCRIPTION:

x'traseal® COPPER SILICONE IS A SPECIALLY FORMULATED HIGH TEMPERATURE RESISTANCE SILICONE FOR TURBO-CHARGED AND HIGH PERFORMANCE ENGINE. FEATURING LOW ODOR, NON-CORROSIVE WITH EXCELLENT OIL AND GREASE RESISTANCE. REMAIN PERMANENT FLEXIBLE AND STABLE FROM -62°C TO 370°C, IDEAL FOR ENGINE REPAIRING AND REPLACEMENT FOR PAPER, RUBBER, ASBESTOS AND NORMAL SILICONE GASKETS.

FEATURES:

- ◆ LOW ODOR NEUTRAL CURING SYSTEM.
- ◆ EXCELLENT OIL AND GREASE RESISTANCE.
- ◆ NON-CORROSIVE TO METALS.
- ◆ NON-CORROSIVE TO AUTOMOBILES.
- ◆ OUTSTANDING HIGH TEMPERATURE RESISTANT UPTILL 370°C.

USES:

HIGH TEMPERATURE RESISTANT GASKET AND JOINT SEALING UP TO 370°C. ASSEMBLIES OF REAR MAIN BEARING CAP SPLIT LINE, DAMPER KEYWAY SEALING, DIFFERENTIAL COVER, INTAKE END SEAL, OHC CAP, OIL PAN CORNER SEAL, OIL PAN GASKET, SIDE COVER PLATE, THERMOSTAT HOUSING, TIMING COVER, TRANSMISSION PAN, VALVE COVER GASKET, VIBRATION DAMPER, INTAKE MANIFOLDS AND EXHAUST MANIFOLD 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.
- ◆ TIGHTENED TO THE REQUIRED TORQUE, DO NOT OVERTIGHTEN.
- ◆ CLEAN OFF EXCESS SEALANT WITH M.E.K. OR TOLUENE.

CURING TIME:

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

SPECIFICATION:

CURING SYSTEM	NEUTRAL (OXIME)
APPEARANCE	NON-SAGGING PASTE
ODOUR	OXIME SMELL
SPECIFIC GRAVITY	1.26±0.01
SHORE A HARDNESS	APPROX.25.
ELONGATION	300%
TENSILE STRENGTH	APPROX.1.2MPa.
TACK FREE TIME	15 MINUTES
APPLICATION TEMP.	-20°C TO 50°C
SERVICE TEMPERATURE	-62°C TO 370°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 KETOXIME DURING APPLICATION AND CURING.

FOR FURTHER HEALTH AND SAFETY INFORMATION CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET.