



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

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## TECHNICAL DATA SHEET

### xtraseal® CÖLOSIL SEALANT

#### DESCRIPTION:

xtraseal® CÖLOSIL SEALANT IS ONE PART FUNGICIDE SEALANT THAT OFFER EXCELLENT ADHESION, WEATHERABILITY AND ELASTICITY FOR GENERAL GLAZING AND FOR SEALING APPLICATION.

#### FEATURES:

- ◆ NEUTRAL, OXIME CURING SYSTEM
- ◆ NON CORROSIVE TO METALS
- ◆ NON CORROSIVE TO ALKALINE SUBSTRATES
- ◆ NON CORROSIVE TO AUTOMOBILES
- ◆ 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

#### USES:

GENERAL GLAZING: MASONRY, CONCRETE, CERAMICS STONE, GLASS, ALLUMINIUM, MOST PLASTICS, WOOD, BRICK, ZINCALUME, GALVANIZED IRON.

GENERAL SEALING: CONTAINERS, AUTOMOBILES, RAIN WATER GOODS, ROOFING, JOINTS IN BUILDING AND CIVIL ENGINEERING.

DIY APPLICATIONS: GUTTER, AIR-CONDITIONING, SANITARY, CAR, BOAT AND OTHER MARINE INDUSTRY USES.

ELECTRONICS SEALING: AS SEALANTS IN THE ELECTRICAL AND ELECTRONICS INDUSTRY.

#### LIMITATIONS:

CÖLOSIL IS A NEUTRAL (OXIME) CURING FUNGICIDE SILICONE. AS WITH OTHER SILICONE SEALANTS, IT IS

NOT FOR: TRAFFIC AREAS OR AREAS SUBJECT TO ABRASION.

NOT FOR: PAINTS COATING.

NOT FOR: POLY-CARBONATE OR POLYACRYLATE IF THEY UNDER TENSION.

#### 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-N5 SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF A MAXIMUM  $\pm 30\%$

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.



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### xtraseal® CÖLOSIL SEALANT

SUITABLE JOINT DEPTH VS WIDTH:

6mm x 6mm

8mm x 12mm

10mm x 20mm

- \* 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:**

CÖLOSIL WILL TACK FREE IN APPROXIMATELY 15 MINUTES AND WILL CURE TO A DEPTH OF 10mm IN 7 DAYS.

#### **SPECIFICATION:**

CURING SYSTEM	NEUTRAL (OXIME)
APPEARANCE	NON-SAGGING PASTE
ODOUR	LOW OXIME SMELL
SPECIFIC GRAVITY	1.03
SHORE A HARDNESS	24 APPROX.
ELONGATION	400%
TENSILE STRENGTH	1.20MPa APPROX.
TACK FREE TIME	WITHIN 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 KETOXIME DURING APPLICATION AND CURING.

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