

CORRO-CHIME 390 TECHNICAL DATA

SUPER-TOUGH, 100% SOLIDS ELASTOMERIC FILLER

Chemical Resistant Sealant | **High Performance**
High Flexibility | **100% Solids Epoxy Coating**
Solvent Free | **Easy 1:1 Mixing Ratio**

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| <p>DESCRIPTION</p> | <p>CORRO-CHIME 390 is a solvent-free, elastomeric, chemically resistant sealant with the consistency of soft putty. When fully cured, it resembles tennis ball rubber. Moisture resistant and can be applied to surfaces down to a temperature of 2°C and resistant to ultimate cold surfaces upon curing to a lowest temperature of -60°C.</p> <p>CORRO-CHIME 390 is an extremely adhesive material suitable for application over steel, primed or painted steel or concrete.</p> <p>CORRO-CHIME 390 is designed for applications where a flexible, corrosion resistant seal or expansion joint is required. Especially recommended for exposure to aromatic and aliphatic hydrocarbons, mineral acids, esters and alcohols except methanol.</p> |
| <p>USES</p> | <p>TANK CHIME AREAS: Creates a permanently flexible corrosion resistant seal on the exterior chime surfaces of field storage tanks and similar structures.</p> <p>CONCRETE EXPANSION JOINTS: Use in situations where other joint compounds would soften or fail by solvent or chemical attack</p> |
| <p>APPEARANCE</p> | <p>COLORS Gray FINISH Medium gloss</p> |
| <p>PHYSICAL PROPERTIES</p> | <p>VEHICLE TYPE Epoxy / polysulfide PIGMENTATION Color / Inert COLOURS Gray FINISH Medium gloss CLEANER MEK or lacquer thinner MIXING RATIO Base/Cure :: 1/1 by volume INDUCTION TIME Not required POT LIFE Approx. 45' / 77°F (25°C) THINNER..... Not normally required SOLIDS BY VOLUME 100% SPREADING RATE/GAL 1.4 m² / litre (57.0 sq.ft / gallon) at 500 microns (20 mils); 0.16 m² / litre (6.4 sq.ft./gallon) at 6250 microns (250 mils) COVERAGE, EXTERIOR CHIME..... 6 ft/gallon, 3" foundation lip DRY TIME (TO TOUCH) 4 hours at 77°F (25°C) APPLICATION METHOD Brushes, spreader or heated plural airless spray VOC Essentially Zero FULL CURE 24 hours</p> |
| <p>SAFETY INFORMATION</p> | <p>FLASH POINT..... Over 200°F (93.3°C)</p> |
| <p>MIXING RATIO</p> | <p>CORRO-CHIME 390 is supplied in 2 US gallons-kit (1 US gallon of Part A and 1 US gallon of part B). When applied premixed the components must be intimately mixed before application taking special care to incorporate components from the walls and base of the mixing vessels. <i>Note: Unmixed components will never cure.</i></p> |

SOLVENT - FREE COATING FOR WET OR BRUTAL ENVIRONMENTS

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| SURFACE PREPARATION | <p>This may be accomplished in several ways:</p> <p>New Concrete: Leave to cure properly for a minimum of 20 days before coating. Weak surface laitance must be removed by either acid etching or abrasive blasting. (Note: Acid etching can be difficult and unreliable unless performed with particular attention to proper acid application, scrubbing, rinsing, and drying.) Abrasive blasting (recommended) may be accomplished by conventional open blasting or with “Blastrac®” type centrifugal equipment. The concrete surface after preparation should have the granular appearance of medium sandpaper.</p> <p>Aged Concrete: Best prepared by abrasive blasting / etched with Bio Rust-Off. Followed by decontamination with Chlor*Rid.</p> <p>Steel: Abrasive blast or power tool clean for atmospheric service.</p> <p>Existing Coatings: May be applied over clean coatings in good condition. Do not overcoat with conventional coatings.</p> |
| APPLICATION BY AIRLESS SPRAY | <p>APPLICATION – Follow the sequence described below:</p> <p>Primer or Base Coat: Application of CORRO-DUR 197 penetrating sealer on porous concrete before CORRO-CHIME 390 will prevent or minimize out-gassing. Allow to cure until at least “gummy” before applying the CORRO-CHIME 390.</p> <p>Apply by heated, plural component airless spray for best results, small areas can be applied by brush or spreader. Roller application is not practical.</p> <p>Requirements for heated plural spray: Fluid pressure: 3,000 psi at gun Fluid temperature : 150°F+ (65.5°C) Fluid hose : 3/8” min for 100’ length. Airless pump : Graco “Bulldog”, “King” or similar Airless Gun : Graco 207945 or similar Airless tip : 17 – 31 thou”</p> <p>Do not exceed applications thicker than 2” otherwise internal overheating from exothermic curing reaction may occur. Typical thickness in the chime area is ½” at the angle to 20 mils (500 microns) at outer edges. Applications should be made between 40°F (4.4°C) minimum and 110°F (43.3°C) maximum.</p> |
| CURING BEFORE SERVICE | <p>Will be touch dry in 4 hours and essentially fully cured after 24 hours at 77°F (25°C).</p> |
| MANUFACTURED BY | <p>THIN FILM TECHNOLOGY, INC, HOUSTON, TEXAS, USA</p> |
| TRANSPORTATION | <p>Non-regulated by United States - Department of Transport (USDOT), International Air Transport Association (IATA) or International Maritime Organization (IMO)</p> |

SAFETY : This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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