

CORRO-DUR 192 L TECHNICAL DATA

SOLVENT - FREE EPOXY COATING

Modified with Carbon Nanotubes
Surface Reinforcement
Underwater Hull Repair
GRP Fabrication Epoxy

Solvent-free
Applies to Dry or Damp Surfaces
Seals against water, oils, greases road salts
Easy 5:3 Mixing Ratio
Contains no carcinogens

DESCRIPTION	<p>Corro-Dur 192 L was formulated to provide safe and effective sealing and reinforcement of surfaces such as concrete exposed to contamination from road salts, gasoline, oil drips and chemicals upto pH3 and similar materials. The unique Corro-Dur 192 L formulation has excellent tolerance to the dampness left in concrete after preparation for coating by high pressure water jetting . The formulation is solvent-free to avoid the objectionable odor and explosion hazards of epoxy solvents. Absence of solvents also assures compliance with all present and proposed air pollution regulations. Corro-Dur 192 L is non-blushing and can be applied and will cure underwater.</p>
USES	<p>SURFACE REINFORCEMENT..... An ideal binder for making concrete repair mortar. A standard 2 gallons (7.5 liters) kit of Corro-Dur 192 L will accept 2 gallons (7.5 liters) of sand filler to yield 4 gallons (15 liters) of a ‘self leveling’ filler or up to 3 gallons (11 liters) of sand filler to yield 5 gallons (18.75 liters) of a trowelable mortar.</p> <p>REINFORCEMENT..... Used extensively in glass reinforced epoxy systems especially for application such as underwater hull repair and custom GRP fabrications. The long potlife, predictable cure rate and total absence of surface ‘blush’ together with excellent physical and chemical resistance make Corro-Dur 192 L ideal for applications exposed to harsh industrial or marine conditions. Because of the chemical curing process and relatively gentle exotherm, unlimited applications may be made at one time.</p> <p>SEALER / FLOOR COATING..... When used as a sealer/floor coating Corro-Dur 192 L is designed to be absorbed into the concrete surface, very heavy applications will result in a glossy, slippery film which can be made skid resistant by broadcasting sand/aluminum oxide into it while still liquid & can be pigmented to the appropriate color</p> <p>TOUGHENED FILLER..... The carbon nanotube additive imparts dramatic toughness to Corro-Dur 192L. When used as a highly loaded filler resin in, for example, pipe sealers or repair systems, it assures high modulus performance combined with excellent application properties.</p>
APPEARANCE	<p>COLORS Black</p> <p>FINISH Unabsorbed material is high gloss</p>
PHYSICAL PROPERTIES	<p>VEHICLE TYPE Epoxy / Proprietary Polyamines</p> <p>PIGMENTATION None</p> <p>THINNER Not required</p> <p>CLEANER Lacquer thinner, MEK</p> <p>MIXING RATIO 3.0/2.0 (Volume)</p> <p>POT LIFE..... Approx. 40 minutes / 77°F (25°C)</p> <p>SOLIDS BY VOLUME 100%</p> <p>THEO. SPREAD RATE 100-130sq.ft./ gal. (2.5-3sq.m/l)</p> <p>DRY TIME (TOUCH) Approx. 4 Hrs/77°F (25 ° C)</p> <p>DRY TIME (HARD) Approx. 3 hrs. light, 24 hrs. heavy service at 77°F (25 ° C)</p> <p>APPLICATION METHOD Roller, brush or squeegee</p> <p>SHELF LIFE 24 Months minimum</p> <p>VOC Zero</p>

SOLVENT-FREE COATING FOR WET OR BRUTAL ENVIRONMENTS

CORRO – DUR 192 L TECHNICAL DATA

SAFETY INFORMATION	FLASH POINT Over 200°F or 93°C(Closed Cup) STORAGE CONDITIONS Normal
SURFACE PREPARATION	Remove surface contamination by high pressure water jetting or similar methods with or without abrasive injection. Hand held power tools such as grinders or needle guns will give good results if applied conscientiously in small areas but will be inadequate in large areas. Conventional abrasive blasting using air/abrasive or centrifugal blasters are preferred methods of surface preparation in most cases where oily or greasy contamination is a problem.
APPLICATION	Mix CORRO-DUR 192 L black epoxy base (in the partly filled two gallon pail) with the CORRO-DUR 192 L curing agent supplied in the partly filled one gallon can. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 3/2 (base/curing agent) by volume. CORRO-DUR 192 L does not require a ‘sweat-in’ an induction time and the mixed components should be used immediately. Potlife is approximately 40 minutes at 77°F (27°C), small amounts of solvent may be added if the mixture begins to thicken noticeably towards the end of its working life. Apply in a thin film using a brush, roller, pad or squeegee. If using CORRO-DUR 192 L as a mortar begin by thoroughly mixing the CORRO-DUR base and curing agent in a 5 gallon (19 liters) pail. Then gradually blend in the sand using a ‘Jiffy’ type mixer.
TEMPERATURE	Temperature exerts a considerable influence on the rate of hardening of chemically cured materials such as CORRO-DUR 192 L. In broad terms expect each 10°C, (18°F), rise or fall temperature to half or double dry times and pot lives.
MANUFACTURED BY	Thin Film Technology, Inc of Houston, Texas, USA
TRANSPORTATION	Non-regulated by United States - Department of Transport (USDOT), International Air Transport Association (IATA) or International Maritime Organization (IMO)

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

WARRANTY DISCLAIMER : The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. However, as we have no control over the use to which this information is put , no warranty, express or implied is intended or given. We assume no responsibility whatsoever for coverage, performance or damages, including injuries from use of this information or of products recommended herein.

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