

CORRO-DUR 720 TECHNICAL DATA

SOLVENT-FREE EPOXY COATING

Enhances insulation ability to reduce or eliminate sweating on cold surfaces |
 Solvent-Free
Applies Above or Below Water
Fiber Reinforced
Flexibilized
Excellent Chemical and Physical Resistance

DESCRIPTION	<p>CORRO-DUR 720 is based on a unique blend of liquid epoxy polymer and aliphatic polyamine curing agents with an inert plasticizer, which is able to displace water from wet surfaces in order to make a permanent bond. The formulation is solvent-free to ensure safety and maximum technical performance. Kevlar™* fibers are incorporated for reinforcement and viscosity management. Addition of a special inert thermal insulating material enhances insulation ability to reduce or eliminate sweating on cold surfaces.</p> <p>CORRO-DUR 720 provides permanent protection under aggressive marine and industrial conditions. The formula is uniquely field-friendly and uses advanced low toxicity ingredients. All colors including White are available and can be shipped "Non-Regulated" by USDOT, IATA and IMO.</p> <p>*Kevlar is a trademark of the E.I. DuPont de Nemours Co</p>
USES	<p>ANTI-CONDENSATION COATING: Marine and Industrial "heavy duty" applications, wet or dry.</p> <p>WASTEWATER: Reinforcing, smoothing and protecting worn concrete damaged by exposure to chemical or municipal waste streams.</p>
APPEARANCE	<p>COLORS Standard White, Black, Gray – others available FINISH Slight texture</p>
PHYSICAL PROPERTIES	<p>VEHICLE TYPE Epoxy/Aliphatic amines with inert plasticizer PIGMENTATION Color/Inert/insulating/fibrous reinforcement THINNER Not normally required CLEANER MEK or lacquer thinner MIXING RATIO 3 : 1 by volume INDUCTION TIME Not required POT LIFE..... Approx. 40 minutes / 77°F (25°C) SOLIDS BY VOLUME 100% REC.DRY THICKNESS 15-30mils (380 – 760 microns) THEO. SPREAD RATE 80sq.ft./ gal. @ 20 mils ; 2 sq.m/l.@ 500 microns DRY TIME (TOUCH) Approx. 5 Hrs / 77°F (25°C) DRY TIME (HARD) 14 hrs. light, 72 hrs. heavy APPLICATION METHOD Roller, brush, heated plural airless spray FLEXIBILITY Approx. 25% elongation at break SHELF LIFE 12 Months minimum VOC Zero</p>

SOLVENT –FREE COATING FOR WET OR BRUTAL ENVIRONMENTS

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SAFETY INFORMATION	STORAGE CONDITIONS Normal
SURFACE PREPARATION	<p>NEW CONCRETE Surfaces are best prepared by abrasive blasting to roughen and remove the weak surface laitance. When prepared properly the surface should have the firm granular appearance of “medium” sandpaper.</p> <p>AGED CONCRETE Surfaces may be prepared by either high-pressure water jetting at sufficient pressure to remove all loose contamination and yielding a firm. “medium” sandpaper finish. Worn concrete in wastewater service may be prepared using only about 3,500 psi however, aged concrete which has never been in aggressive service may require jetting with over 8,000 psi to achieve the same result. Air abrasive blasting is also a satisfactory method of preparation. If the concrete is extremely worn it may be faired smooth before application of the CORRO-DUR 720 using CORRO-DUR 455 or CORRO-DUR 456 depending on anticipated exposure.</p> <p>STEEL Surface is best prepared by air abrasive blasting to a “near-white “, (SA2.5 SSPCSP-10) CORRO-DUR 720 is extremely tolerant of compromised surfaces and will provide excellent protection over tight rust or existing coating residues in sound condition. The solvent-free formulation avoids softening of underlying coatings, CORRO-DUR 720 may even be applied over Styrofoam™ without softening it.</p>
APPLICATION	<p>Pour the mixed product into a pan and apply with a roller using typically a 3/8" nap for both steel and concrete. Especially rough surfaces will apply more easily using a 1/2" nap.</p> <p>When making application by brush use an appropriate sized brush with preferably natural bristles. In some applications it will be useful to either cut an inch or two of bristles from the end or to wrap the base of the bristles close to the shank with duct tape in order to stiffen the brush.</p>
MIXING PROCEDURE	CORRO-DUR 720 is supplied in 2-gallon kits of base and curing agent. The base component is packed in a part filled two-gallon plastic pail and the curing agent is packed in a part filled one gallon steel can. Use a 1/2" "Jiffy" type mixer to initially stir the base then pour in the curing agent and continue mixing for about one extra minute taking care to incorporate all material from the base and sides of the pail. If unmixed epoxy base or curing agent is applied to the surface it will never cure.
CURING BEFORE SERVICE	Temperature will exert a considerable influence on the rate of curing of chemically cured coatings such as CORRO-DUR 720 . In broad terms expect each 10°C, (18°F), rise or fall in temperature to half or double dry times and pot lives.
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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