



AMERICAN COATINGS

DX525 EPOXY NON-SKID DECK ARMOUR

High performance non-skid deck coating for steel and concrete protection.

GENERAL FEATURES

- Excellent non-skid surface
- Outstanding Impact and wear resistance
- Excellent adhesion under dry and damp conditions
- Outstanding anticorrosive properties due to low water vapor transmission rate
- Good chemical resistance to splash and spill of mild chemicals.
- Good curing properties down to 50° F

DESCRIPTION

American DX525 is a two package coating based on epoxy resin and two special amine-curing agents. Non-skid and impact resistant.

USES

American DX525 Deck Armour is suitable for the protection of steel and concrete against severe mechanical damages, abrasive action and corrosive conditions in chemical processing plants, power plants and textile mills. Especially useful for protection and non-slip properties on steel stairways, decks of ships, offshore platforms and land based drilling rigs.

PHYSICAL DATA

Finish -----Low Gloss, Textured
 Color -----Gray
 Applied Over -----Steel, Concrete
 Components ----- Two
 Cure -----Catalyze ratio 9:1
 V.O.C. ----- 0

Volume Solids -----100%

Recommended Dry Film

Thickness -----10 - 125 mils
 Number of Coats ----- One
 Application Method -----Trowel or Spray

Thinning Required----- None

Dry Time: 68°F
 Touch -----3 hrs
 Tack Free -----5 hrs
 Topcoat-----5 hrs

*Theoretical Coverage at:

Recommended Thickness----- 160 – 13 sq. ft/gal

Temperature Limit

Immersed ----- 175° F
 Atmospheric ----- 225° F

Miscellaneous Properties

Shelf Life -----1 Year
 Pot Life – Mixed @ 90 °F----- 48-60 mins

CAUTION: Elevated temperature will reduce pot life

SURFACE PREPARATION

Steel: Blast cleaned to minimum Nace No. 2/ SSPC-SP10 (Near White Blast) Profile : 3-4 mils (75-100 um)

Concrete: Free from laitance by blast cleaning.



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APPLICATION INFORMATION

The Temperature of the mixture of base and hardener during mixing and application should be above 68° F (20° C) before mixing. A detailed information sheet on application instructions is available and should be reviewed prior to use of the product. Roughness of American DX525 Deck Armour is dependent on thickness and substance temperature. A spatter coat may be required.

MIXING

Always use mechanical mixing equipment. Add the hardener while stirring the base. Mix thoroughly until a homogenous paste is obtained. Do not prepare more material than can be used within 30 to 45 minutes.

CLEAN-UP

Clean all equipment immediately with TH760 Epoxy Thinner.

SPRAY EQUIPMENT

Applications By Pressure Vessel

Use a pressure vessel with a bottom outlet and a pressure lid. Vessel should not contain more than 5 gallons (19 liters). Before use, wet vessel and hoses with thinner TH760. Hose diameter should be 3/4-1 inch I.D. and from 10-12 ft. long. No thinner allowed. Nozzle orifice: 3/8" – 1/2", pot pressure: 60-90 p.s.i. internal mix nozzle is required.

APPLICATION BY MATERIAL PUMP

The "Carousel Pump" by Quick Spray, Inc. of Port Clinton, Ohio has been found to be an efficient method of application. Nozzle orifice: 1/8"- 3/16". Other equipment may be suitable. No thinner allowed

APPLICATION BY PISTON PUMP

A special piston pump such as "The Swinger" by Air Tech of Houston, TX with an conventional type spray pole gun and air nozzle. The inside diameter of the hose should be 1". 6' x 3/4" whip hose and main hose 30 ft. The nozzle orifice range is 1/4" to 5/8" with internal mix atomization. This type of pump provides high production rates. No thinner allowed. Contact the Technical Service Department for more information.

SAFETY INFORMATION

WARNING! HARMFUL IF INHALED, CAUSES IRRITATION.

Use with adequate ventilation. Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator during and after applications unless air monitoring demonstrates vapor/mist levels are below applicable limits. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

SHIPPING DATA

Proper Shipping Name ----- Paint Liquid
Hazard Class----- Non Hazardous

Flash Pt. °F SETA ----- >200 F° F Part A
>200 F° F Part B

UN No.----- 1263

PACKAGING

Shipping Wt. PART A PART B
 Fives 78 lbs. Gallons 5 lbs.

TOUCH- UP APPLICATIONS

Touch- up areas should be reblasted and repaired using a trowel and spatula. Porosity, blowholes, and crevices in the concrete should be filled.

DISCLAIMER

The facts stated and the recommendations and suggestions herein are based upon experiments and supplier information believed to be reliable. No guarantee is made of their accuracy, however, and American Coatings ASSUMES NO LIABILITY FOR PRODUCT FAILURE OTHER THAN TO SUPPLY REPLACEMENT MATERIAL FOR PRODUCTS SHOWN TO BE DEFECTIVE WHEN DELIVERED OR TO REFUND THE PURCHASE PRICE. Except as stated, THERE ARE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. AMERICAN COATINGS SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGES. No statement contained herein shall be construed as an inducement to infringe existing patents or as an endorsement of specific manufacturers.

Revised 10/06



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