



A-70 (VLW) Latex Concrete

DESCRIPTION

Dex-O-Tex A-70 VLW Latex Concrete (IMO) and military qualified is marine grade light weight concrete decking that is trowel applied to form a seamless surface for heavy duty service areas exposed to rolling loads. It is primarily designed for use between channels in floors in cargo ammunition holds as a filler for leveling the deck surface for walking and fork truck operations. It is 20% lighter than standard concrete. It is noncorrosive to steel and aluminum, non-sparking and fire retardant. A-70 VLW Latex Concrete is an underlayment for whenever thicker applications require a lightweight material.

Theoretical Coverage Rates

1/2 inch	12.7mm	500 mils
13 ft ² (1.21 m ²) per Kit		

1 inch	25.4mm	1000 mils
6.5 ft ² (0.60 m ²) per Kit		

2 inches	50.8 mm	2000 mils
3.3 ft ² (0.31 m ²) per Kit		

Technical Data

Density	8.4 lbs/ft ² at 1 inch	41 kg/m ² at 25.4mm
Indentation Resistance USN Spec <1.5% of 2"	288,000 lb/ft ²	1,406,139 kg/m ²
Adhesive Strength Shear	47,016 lb/ft ²	229,552 kg/m ²

Kit and Packaging Sizes (1 Kit = 1 Gal VLW Paste + 1 Bag of Concrete Powder)

Item Number	Description	Components	Weight
0872	A-70 VLW Paste	5 Gallon Pail	45 LBS
1186	A-70 VLW Concrete Powder	47 LB Bag	47 LBS

Installation Guideline for the complete A-70 VLW Latex Concrete System:

Step 1: Blend together 1 bag of **A-70 VLW Bond Powder** and 2 Gallons of **A-70 VLW Paste**. Once thoroughly mixed use a masonry brush and spread the mixture directly onto the desired substrate.

Step 2: Mix together 1 Bag of **A-70 VLW Concrete Powder** with 1 Gallon of **A-70 VLW Paste**. Blend Until the mix forms a slurry compound. Pour this slurry compound directly over top of the previously applied Bond Coat mixture while the Bondcoat mixture remains wet.

Step 3: Using a common masonry trowel, finish trowel the concrete to its desired thickness and finish.

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Dry Building Mortar

Surface Preparation

Metal deck surfaces should be cleaned free of rust, loose scale, and dirt in accordance with SSPC SP-11. Grease and oil should be removed with approved solvents and clean rags in accordance with SSPC SP-1. The resulting surface should be clean and bright and protected against corrosion before Dex-O-Tex materials are applied. Dex-O-Tex A-70 VLW Bond Coat (TDS 001) may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441, MIL-PRF-23636 or to Dex-O-Tex TM Bond Coat and Underlayment Systems. Consult your local Dex-O-Tex Marine Rep. to verify compatibility with other “shop” primers or when wood or other deck surfaces are involved.

Job Site Survey

Measure and record ambient temperature and humidity, surface temperature and the temperature of the material being used. Do not proceed with the application if the conditions are outside the recommended parameters. Inspect materials to be used. Verify material is the proper material and all components and sizes are correct. Inspect all containers and verify a proper factory seal with no signs of damage or leakage. Pre-Stir Liquid materials into a smooth homogenous blend before uses.

Environmental Conditions for Application

All materials are mixed, applied and cured at the job site. Minimum environmental conditions are required to facilitate proper curing and performance of the products. Ensure conditions are in accordance with the following requirements.

Substrate Temp	Min. 45°F	Max. 88°F
Max Relative Humidity	Min. 20%	Max. 85%
Ambient Air Temp	Min. 45°F	Max.100°F

Temperature	65 Deg F	75 Deg F	85 Deg F
Dry to Re-Coat / Use	52 hours / inch	48 hours / inch	42 hours / inch
Max Re-Coat	96 hours	96 hours	96 hours
Cure to Foot Traffic	24 hours	24 hours	24 hours
Cure to Full Service	96 hours	96 hours	96 hours

Material Disclosure

Materials should be delivered in original packages and containers with seals unbroken and bearing manufacturer's labels containing brand name and directions for storage and mixing with other components. Check materials immediately upon receipt, verify all the correct materials in the correct packaging are accounted for in good condition. Sort the materials and store them in a tempered storage area.

Applicator Notes

For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature of 65°F-80°F. A warm substrate will decrease the pot life and make the materials sticky. A cooler substrate will lengthen the cure time. Decking surfaces and room temperature of 65°F or slightly higher must be maintained for the duration of the Cure to Full Service time. When mixing the components, be sure to use all the provided material. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminates onto the unfinished decking surface. Good ventilation must be provided during application, particularly in confined spaces. Always obtain, read and observe Safety Data Sheets (**SDS**) before handling materials.

Warranty Information

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