



A-70 VLW Concrete

Dry Building Mortar
USCG-164.106/33/0

DESCRIPTION

A-70 VLW Concrete or sometimes referred to as “Latex Concrete” is a Marine Grade-Light Weight Concrete that is trowel-applied to form a seamless surface for heavy duty areas and rolling loads. It is primarily designed for use between channels of 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 can also be used as an underlayment whenever thicker applications require a lightweight material compared to concrete.

Theoretical Coverage Rates

1/2 inch	12.7mm	500 mils
18 Square Feet Per Kit		

1 inch	25.4mm	1000 mils
9 Square Feet Per Kit		

Recommended *maximum* application thickness per pass – USCG 164.106/33/0

2 inches	1.58mm	2000 mils
4 Square Feet Per Kit		

Technical Data

Weight	8.4 lbs./ft ² at 1 inch	3.81 Kg/m ² at 25.4mm
Indentation Resistance	288,000 lbs./ft ²	130,634 Kg m ²
Adhesive strength shear	61,920 lbs./ft ²	28,086.44 Kg m ²

Kit and Packaging sizes (1 kit = 1. Gal liquid + 1 Bag of Concrete)

Item Number	Description	Components	Weight
0872	A-70 VLW Latex 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 Concrete System

Step1: Blend together 1 bag of **A-70 VLW Bond Coat powder** and 2 Gallons of **A-70 VLW liquid** . Once thoroughly mixed use a masonry brush and spread the paste mixture directly onto the desired substrate.

Step2: Mix together 1 Bag of **A-70 VLW Powder** with 1 Gallon of **A-70 VLW liquid**. Blend Until the dry powder forms a slurry compound. Pour this slurry compound directly over top of the previously applied Bond Coat mixture.

Step3: Using a common masonry trowel; finish trowel the concrete to its desired texture.

Surface Preparation

Metal deck surfaces should be cleaned free of rust, loose scale, and dirt in accordance with SSPC SP11/NACE No 6. 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 Concrete may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441, MIL-PRF23636 or to Dex-O-Tex TM Bond Coat and Underlayment Systems. Consult your local Dex-O-Tex Marine Rep. 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. Premix 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. <90%	Max. 85%
Ambient Air Temp	Min. 45°F	Max.100°F

Dry to Re-Coat or Use	14Hrs at 65°F	10Hrs at 75°F	08Hrs at 85°F
Max Re-Coat	48Hrs at 65°F	44Hrs at 75°F	40Hrs at 85°F
Cure to Full Service	52Hrs at 65°F	48Hrs at 75°F	44Hrs at 85°F

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 and may cause a blush of the polymeric resins. 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 polymeric resin components, be sure to use all the provided resins. The resins are premeasured to the correct ratios. Scrape all the hardener from the container into the resin. Do not turn mixing vessels upside down to drain on the flooring surface. Unmixed resin from the side may produce soft or uncured spots on the flooring surface. Keep the unfinished flooring surface clean. Do not track dirt, grease, or any other contaminates onto the unfinished decking surface. Any contaminate could negatively affect the aesthetics of the finished flooring. Good ventilation must be provided during application, particularly in confined spaces. Always obtain, read and observe Manufacturers Safety Data Sheets (**MSDS**) before handling polymeric materials.

Warranty Information

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