



Application Specification

A-70 LATEX CONCRETE (VLW) Very Light Weight

Purpose and Scope

Instructions for the application of Dex-O-Tex A-70 Latex Concrete (VLW) over a prepared surface. This product is manufactured to meet the requirements of MIL-PRF-21631A.

Thickness As required – Minimum of 1/2”
(12.7 mm) thick

Approximate Quantity of Materials Required

To Cover ONE HUNDRED SQ. FT (9.3 sq. Meters)

Amount Required 1/2” 1” 2”

A-70 (VLW) Paste
(5 gal.) 1.74 pails 3.4 pails 6.72 pails

A-70 (VLW) Bond Powder
(36 lb. Bag) 0.40 bag 0.40 bag 0.40 bag

A-70 (VLW) Powder
(47 lb. Bag) 8.33 bags 16.66 bags .. 33.3 bags

Required Equipment

- Rectangular Steel Trowels (4” x 14”) (10cm x 35cm)
- Magnesium Darby (30) (75 cm)
- Mortar Box and Hoe, or,
- Portable Cement Mixer
- Dex-O-Tex Drill Mixing Equipment
- Calcimine Brush

Surface Preparation

Metal deck surfaces should be cleaned free of rust, loose scale, and dirt. Grease and oil should be removed with approved solvents and clean rags. The resulting surfaces should be clean and bright and protected against corrosion before Dex-O-Tex materials are applied. Dex-O-Tex A-70 (VLW) may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441. Consult Crossfield Products Corp. when wood or other deck surfaces are involved.

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A. Mix together the following materials to form the Surface Wetting Mix:

A-70 (VLW) Paste 2 Gallons
A-70 (VLW) Bond Powder 1 bag (36 lbs.)

Blend these materials together thoroughly by Dex-O-Tex Drill Mixing. Workability time is about 2 hours. The above quantity should provide Surface Wetting Mix for approximately 500 sq. ft. (46.45m²).

B. Mix together the following materials:

A-70 (VLW) Paste 2 gals
A-70 (VLW) Powder 2 bags (47 lbs.)

Blend these materials together thoroughly with a hoe in a clean mortar box or in a mortar mixer. Workability time is about 30 minutes. The above quantity should cover approximately 12 sq. ft. (1.1m²) at 1” (2.5 cm) thickness.

C. Paint the surface with the Wetting Mix of the A-70 (VLW) Paste and A-70 (VLW) Powder. Then, while the surface is still wet, apply the body coat mix.

Spread the mix with trowel and darby to the desired thickness and work the surface to a smooth finish. Because of the relatively quick setting time of the material, it will not permit repeated re-troweling of the surface.

CAUTIONS

1. Before opening packages or applying materials, obtain, read and observe MSDS for the products.
2. Do not allow the Paste to freeze. In the event the Paste has been frozen, allow it to thaw out slowly at room temperature and do not heat to speed up rate of thaw.



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3. Do not store Paste near a heater or in an area where it might become heated above 90°F.
4. Do not allow Dex-O-Tex materials to harden on tools and equipment. Fresh water will clean tools immediately after using.
5. Do not apply A-70 (VLW) Deck on a hot surface.
6. In a draft, cover with a polyurethane sheet when drying to prevent surface checking.



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