



VLW Underlayment IMO

Modified Epoxy Resin and Light Weight Aggregate
USCG-164.106/47/0

DESCRIPTION

VLW Underlayment IMO is a 100% solids epoxy resin base mixed with very lightweight aggregate to form a trowel applied decking underlayment for general use under all deck covering materials. Due to the rapid cure of VLW Underlayment IMO, it can be installed with minimum downtime. Can be applied directly to clean metal or steel. It offers every advantage for lightweight filler sloping/leveling compound for quick turnover maintenance or repair installations.

Theoretical Coverage Rates

USCG Recommended *minimum* application thickness.

1/8 inch	3.17 mm	125 mils
51 Square Feet Per Kit		

Recommended *average* application thickness.

1/4 inch	6.35 mm	250 mils
25 Square Feet Per Kit		

USCG Recommended *maximum* application thickness per pass.

2 inches	50 mm	2000 mils
3 Square Feet Per Kit		

****Note that USCG Cert. 164.106/47/0 has total Underlayment System not to exceed 4 in. / (102mm)**

Kit and Packaging sizes (1 kit = Resin + Hardener+ Aggregate)

Item Number	Description	Weight
0656-IMO-2GPA	VLW Underlayment IMO Resin	16.0 lbs. / 7.257 KG
0657-IMO	VLW Underlayment IMO Hardener	2.5 lbs. / 1.133 KG
0658-IMO-10	VLW IMO Aggregate	10.3 lbs. / 4.672 KG

NOTE: To adhere to IMO SHIPPING REGULATIONS FOR MARINE POLLUTANTS, order two 0656-IMO PART A in 1 GL GAN instead of one 0656-IMO-2GPA PART A in a 2 GL PLASTIC PAIL as needed.

Item Number	Description	Weight
0656-IMO	VLW Underlayment IMO Resin-EXPORT**	8.0 lbs. / 3.628KG
0657-IMO	VLW Underlayment IMO Hardener-EXPORT	2.5 lbs. / 1.13 KG
0658-IMO-10	VLW IMO Aggregate-EXPORT	10.3 lbs. / 4.67 KG

**** Order two per kit for export or IMO regulated consignments.**

Installation Guideline for the complete VLW IMO Underlayment System

Step 1: Mix and pour VLW Primer onto working surface spreading using a notched squeegee or epoxy roller. (Refer to VLW Primer TDS).

Step 2: Pre-Stir Part A and pre-stir Part B of VLW Underlayment IMO. Combine and mix thoroughly for 2 min. Pour combined epoxy into a separate bucket large enough to add in aggregate. Slowly add aggregate to combined resin epoxy. Mix resin epoxy with aggregate blend until the blend resembles wet pumice sand.

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Step 3: Pour the mixture onto the working surface, trowel, and compact to smooth finish to desired thickness.

Step 4: After VLW Underlayment IMO cures scrape with a dry trowel to remove excess material. Mix and pour TM Grout onto the working surface. Work the TM Grout epoxy into the surface of VLW Underlayment IMO with a squeegee trowel. Remove excess TM Grout. (**Refer to TM Grout TDS**)

Step 5: Apply primary or finished decking system over cured / grouted VLW Underlayment IMO system.

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.

Job Site Survey

Measure and record ambient temperature and humidity, substrate surface temperature and the temperature of the material being applied. 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-mix liquid materials into a smooth consistent blend before uses.

Environmental Conditions for Application

All materials are mixed, applied and cured at the job site. Multiple 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. 50°F	Max. 80°F
Max Relative humidity	Min. <90%	Max. 85%
Ambient Air Temp	Min. 50°F	Max.95°F

Dry to Re-Coat or Use	12Hrs 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	56Hrs 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 materials are the correct materials, in the correct packaging and are accounted for in good condition. Sort the materials and store them in a climate-controlled storage area.

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Scientifically Superior I Performance Proven

Applicator Notes

For proper workability it is important the Dex-O-Tex materials be stored and mixed at a temperature between 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 contaminants onto the unfinished decking surface. Any contaminate could negatively affect the aesthetics of the finished flooring. Must provide good ventilation 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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