



**Specification Reference**

MIL-PRF-3135, Type III, Class 2  
MARAD Spec. No. 59MA 6a Type I, Class 2

# Dex-O-Tex VLW Lightweight Underlayment, Type III Marine Decking Product Description Sheet

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**TYPE**

Dex-O-Tex VLW Lightweight Underlayment conforming to military specification MIL-PRF-3135 (H) Type III, Class 2, Grade B. It is a 100% solids epoxy resin base mixed with a 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 Lightweight Underlayment, it can be installed with minimum downtime. It can be applied directly to clean metal or steel. Or steel coated with pre-construction primer (PCP), without the need for a separate bond coat, mechanical anchors or other devices welded to the surface. It offers every advantage for lightweight filler sloping/leveling compound for quick turnover maintenance and/or repair installations.

**THICKNESS**

Minimum 0”(feather edge) – 3” inch (75 mm)  
(Per application)

**SPECIFICATION REFERENCE**

U.S. Dept. of Defense, U.S. Navy  
MIL-PRF-3135(H), Type III, Class 2

U.S. Dept. of  
Defense.....MARAD Spec. No. 59MA 6a  
Type I, Class 2

**TYPE USES**

VLW Lightweight Underlayment can be used to level or slope a deck and provide a smooth even surface over metal, aluminum or steel for subsequent application of any deck covering products.

**ADVANTAGES**

- Very Lightweight
- Fast curing for short installation times
- Durable in sanitary, wet spaces
- Easily maintained
- Fire retardant
- Not flammable or toxic in wet state

**TECHNICAL DATA**

Weight .....0.94 lbs/sq. ft. @ 1/4 inch  
(4.589 kg/m<sup>2</sup> @ 6.35mm)

Indentation  
Resistance 2,000 psi @  
@ 48 hrs ..... < 2%  
@ 96 hrs ..... < 1%

Impact Resistance .....<0.062 inches  
(2 lb steel ball @ 8 ft)

Moisture Absorption..... <1%

Fire Rating  
U.S. Navy Fire Retardant ..... Passes  
(MIL-STD-1623, SHIPS)

Adhesive Strength, Shear ..... 350 psi  
(241.39 kg/cm<sup>2</sup>)

Corrosive Effect, Steel..... None

Corrosive Effect, Aluminum ..... None

Shock Resistance  
2000lbs Reverse Impact .....No Chipping,  
Cracking, Delamination  
Signs of Deterioration

Asbestos Content ..... <0.00005%  
Hazardous Metal Content .....Complies  
MIL-PRF-3135 3.5.1.2

Hazardous Air Pollutants.....Complies  
MIL-PRF 3.5.1.3

VOC Content .....100% Solids (0 g/L)

Flash Point.....>251°F



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## LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICES ARE MET.

Crossfield Products Corp. warrants to the purchaser of its products that such products are free from manufacturing defect. Crossfield does not warrant or guarantee the workmanship performed by any person or firm installing its products. Crossfield's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Crossfield sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Crossfield's examination shall disclose to Crossfield's satisfaction to be thus defective.

In no event shall Crossfield Products Corp. be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties expressed or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Crossfield's part, and we neither assume nor authorize any person or persons to assume for us any other liability in connection with sale of a Crossfield Products. This warranty shall not apply to any of Crossfield's products, which have been subject to adulteration, alteration abuse or misuse. Crossfield Products Corp. makes no warranty whatsoever in respect to accessories, parts or material not supplies by Crossfield Products Corp., which are used in connection with its products. The term "Original Purchaser" in this warranty means that person, corporation or entity to whom Crossfield Products Corp. sold its products. Any action to enforce any warranty or for breach of contract or arising out of any claim against Crossfield Products Corp. shall be commenced and maintained only in a court of competent jurisdiction in the continental United States of America. The purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

**CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.**



**Dex-O-Tex Marine Product Line**  
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