



**Specification Reference**

IMO RES-A-754 (18)  
USCG MMC 164.006 (A-60)  
MARAD Spec. No. 59MA 6a Type I, Class 2  
MIL-PRF-3135, Type I, Class 1  
MIL-PRF-3135, Type I, Class 2  
MIL-PRF-3135, Type II, Class 1  
MIL-PRF-3135, Type II, Class 2  
MIL-PRF-21631 (SHIPS)

**Underlayment Products  
for Smoothing & Fairing Decks**

Dex-O-Tex Underlayment Products for Smoothing & Fairing Decks have been the industry standard for the highest quality deck covering underlay materials since 1938.

Crossfield Products Corp. manufactures a wide range of Dex-O-Tex Underlayment products for use in preparing metal decks to receive a finished deck covering. Each one is uniquely designed to meet specific installation requirements and thus permit quick installation of finished decking. They are used on every conceivable type of vessel ranging from harbor tugs to aircraft carriers, drilling rigs to luxury liners.

Performance proven Dex-O-Tex Underlayment products are used throughout the marine industry to fill and fair off irregularities of deck plates before the installation of latex mastic and cosmetic polymeric deck coverings as well as prefabricated coverings of uniform gauged thickness such as resilient tile, ceramic tile or carpet. They are also used to create pitch in the deck for drainage, for ramping, or to make up thickness where heavier or more costly decking is to be used. Applied directly to primed metal surfaces, they have good adhesion and do not require any type of mechanical anchorage.

Sales and application services for Dex-O-Tex materials are available throughout the United States, Canada, South America, Europe and the Far East.

**TYPES**

Dex-O-Tex Underlayments come in several different types. These include:

**VLW LIGHTWEIGHT UNDERLAYMENT**

U.S. Dept. of  
Defense.....MIL-PRF-3135, Type I, Class 2  
MIL-PRF-3135, Type II, Class 2  
MIL-PRF-3135, Type III, Class 2

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

VLW Lightweight Underlayment is a very lightweight trowel applied epoxy resin decking underlayment/screed for use under ceramic tile, quarry tile, Porcelain tile, resin terrazzo, latex terrazzo, latex mastic and cosmetic polymeric deck coering materials. Due to the rapid cure of VLW Lightweight Underlayment, it can be installed with minimum downtime. Applied directly to clean metal without the need for mechanical anchors or other devices welded to the surface, it offers every advantage for quick turnover maintenance and/or repair installations.

Thickness..... Minimum 0–2” (25 mm)

Weight .....0.84 lbs/sq. ft. @ ¼ inch  
(4.1 kg/m2 @ 6.35 mm)

**ADVANTAGES**

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

**QUIK-SET UNDERLAYMENT**

U.S. Dept. of  
Defense.....MIL-PRF-3135, Type II, Class 1

IMO ..... RES-A-754 (18)

USCG ..... MMC 164.006 (A-60)

The most widely used Dex-O-Tex Underlayment. Latex based. Trowel applied. Used in thin gauge applications for leveling and fairing welds. Fast setting and trowels to a smooth finish. Quik-Set is normally applied from featheredge to 1/8 inch (3.175 mm) thickness.

Thickness..... 1/8 inch (3.175 mm)  
per application

Weight ..... 1.15 lbs/ft<sup>2</sup> @ 1/8 inch  
(5.61 kg/m<sup>2</sup> @ 3.175 mm)



**ADVANTAGES**

- Fast setting
- Featheredge application
- Trowels to a smooth finish
- Economical

**SUBKOTE 1 UNDERLAYMENT**

U.S. Dept. of Defense.....MIL-PRF-3135, Type I, Class 1 (Test Report 4336-251)

U.S. Dept. of Defense Defense.....MARAD Spec. No. 59MA 6a Type I, Class 2 Lightweight synthetic rubber latex mastic. Trowel applied. Used to smooth a deck overall to receive finishes of uniform gauge thickness. Resilient, flexible and sound deadening. Provides good indentation resistance. Subkote 1 is normally applied from 1/8 inch (3.175mm) to 1 1/2 inches (38mm).

**SUBKOTE 1 UNDERLAYMENT**

*Continued*

Thickness.....Maximum 3/4 inch (19mm) per application

Weight.....1.42 lbs/sq. ft. @ 1/4 inch (0.644 kg/m<sup>2</sup> @ 6.35 mm)

**ADVANTAGES**

- Lightweight
- Flexible
- Resilient
- Moisture resistant
- Trowels to smooth finish
- Good indentation resistance
- High insulation value
- Sound deadening

**TERRAZZO M UNDERLAYMENT**

U.S. Dept. of Defense.....MIL-PRF-3135, Type I, Class 2 MIL-PRF-3135, Type II, Class 2

Epoxy resin underlayment screed for use under ceramic tile, resin terrazzo and polymeric deck covering materials. Trowel applied. Due to the rapid cure of Terrazzo M Underlayment, it can be installed with minimum down time. It offers every advantage for quick turnover maintenance and/or repair installations. Terrazzo M Underlayment is usually applied at 1/8 inch (3.175mm) to 1/4 inch (6.35mm).

Thickness..... Minimum 1/8 inch (3.175mm) to 1/4 inch (6.35mm)

Weight .....2.0 lbs/ ft<sup>2</sup> @ 1/4 inch (0.907 kg/m<sup>2</sup> @ 6.35mm)

**ADVANTAGES**

- Rapid cure
- Durable in sanitary, wet spaces
- Not flammable or toxic in wet state

**A-70 LATEX CONCRETE**

U.S. Dept. of Defense..... MIL-PRF-21631 (SHIPS)

Synthetic resin emulsion mastic decking that is trowel-applied to form a seamless surface for heavy duty areas and rolling loads. It is primarily designed for use between channels for floors in cargo ammunition holds. For that service, it is normally applied from 1 1/4 to 2 inches (31.75mm to 50.8mm) in thickness – minimum 1/2 inch (12.7mm). A-70 Latex Concrete can also be used as an underlayment where thicker application is required at moderate cost.

Thickness..... Minimum 1/2 inch (12.7mm) Maximum 2 inches (50.8mm) per application

Weight ..... 10.5 lbs/ ft<sup>2</sup> @ 1 inch (51.27 kg/m<sup>2</sup> @ 25.4mm)

**ADVANTAGES**

- Moderate cost underlayment for thick applications
- Fast curing
- Very durable



**A-70 VLW (Very Light Weight)**  
**LATEX CONCRETE**

U.S. Dept. of  
Defense.....MIL-PRF-21631 (SHIPS)

Synthetic resin emulsion mastic decking that is trowel-applied to form a seamless surface for heavy duty areas and rolling loads. It is 20% lighter than standard A-70 Latex Concrete. It is normally applied from 1 1/4 to 2 inches (31.75mm to 50.8mm) in thickness – minimum 1/2 inch (12.7mm). A-70 (VLW) Latex Concrete can also be used as a lightweight underlayment where thicker application is required.

Thickness..... Minimum 1/2 inch (12.7 mm)  
Maximum 2 inches (50.8 mm)  
per application

Weight..... 8.4 lbs/ft<sup>2</sup> @ 1 inch  
(41.01 kg/m<sup>2</sup> @ 25.4mm)

**ADVANTAGES**

- Very lightweight underlayment for thick applications
- Fast curing
- Very durable

**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 supplied 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**  
**Crossfield Products Corp.**  
[www.dextotexmarine.com](http://www.dextotexmarine.com)



**West Coast Office**  
3000 E. Harcourt St.  
Rancho Dominguez, CA 90221  
Telephone • 310.886.9100  
Fax • 310.886.9119

**East Coast Office**  
140 Valley Road  
Roselle Park, NJ 07204  
Telephone • 908.245.2800  
Fax • 908.245.0659