



**Specification Reference**

USCG Approval Number: 164.105/13/0  
Canada MOT Certification No. E1-84 & E2-125  
IMO RES-A-754 (18), A-653 (16) & MSC-61 (67)  
ISO 1182-90 & Parts 1&2 of Annex 1

# Dex-O-Tex Insul-Dex Lightweight Insulating Deck Underlayment Marine Decking Product Description Sheet

**TYPE**

Dex-O-Tex Insul-Dex is a trowel-applied calcium aluminate cement deck underlayment system. Insul-Dex is light weight and provides fire resistance and insulating resistance to thermal transfer. It meets the requirements for the United States Coast Guard and IMO (International Maritime Organization) A-60 fire protection deck covering system. Tested in accordance with the IMO FTP (fire test procedures) Part 1 and Part 3.

Insul-Dex underlayment can be applied at thicknesses ranging from 3/8 inch (9.7mm) to 2 inches (50mm). It is not designed as a finished surface and is typically covered with carpet, tile, electrical matting, or Dex-O-Tex seamless decking materials which protect against water intrusion.

Dex-O-Tex Insul-Dex is used on a wide variety of vessels including U.S. Navy ships, passenger liners, tankers, freighters, ferry boats and casino ships. It is also used to insulate living quarters on offshore drilling rigs where it can be used for both deck leveling and as a fire rated deck.

**SPECIFICATION REFERENCE**

USCG ..... 164.105/13/0  
IMO ..... RES-A-754 (18)  
IMO ..... RES-A-653 (16)  
IMO ..... RES-MSC-61 (67)  
ISO ..... 1182-90 & Parts 1&2 of Annex 1

**THICKNESS**

3/8 inch (9.53 mm) to 2 inches (50.8 mm)

**TECHNICAL DATA**

Weight .. A-60..... 1.375” ..... 5.5lb/sq.ft.  
34.92mm ..... 26.91kg/sqm  
A-30..... 1” ..... 4.0lb/sqft  
25.4mm ..... 19.57kg/sqm  
A-15..... 0.75” ..... 3.0lb/sqft.  
19.05mm ..... 14.68lb/sqm

Thermal Conductivity.....0.79  
(K Value)

Compressive Strength..... 2,500 psi

R-Value .....0.50 – 0.60  
For 3/8” – 1/2”

Fire/Thermal IMO A-754 (18) .....Complies

Non-combustibility.....Complies  
ISO 1182-90, Part 1, Annex 1, IMO MSC-61(67)

Smoke & Toxicity .....Complies  
ISO 1182-90, Part 2, Annex 1, IMO MSC-61(67)

**TYPICAL USES**

- Wherever fire resistance and/or thermal insulation is important
- Over engine rooms, passenger rooms & passageways
- Over bulk fuel tanks
- In living quarters on drilling rigs

**ADVANTAGES**

- Lightweight
- A-60 Deck / IMO Tested
- Installed aboard SOLAS vessels
- Deck finishes, vinyl composition tile, etc. can be applied within 48 hours



---

## 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  
Crossfield Products Corp.  
[www.dexotexmarine.com](http://www.dexotexmarine.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