



Dex-O-Tex Ammunition Magnesite Lightweight, Non-Sparking Marine Decking Product Description Sheet

TYPE

Dex-O-Tex Ammunition Magnesite conforms to MIL-D-18873B as a nonsparking, fire retardant, smooth surface product for use between the dunnage system of steel deck channels in cargo weapon stowage spaces. It is a trowel-applied magnesium oxychloride cement composition that contains lightweight aggregates and fire resistant properties. When installed in conjunction with Dex-O-Tex Magnabond, it has excellent adhesion to steel and wood surfaces. It is normally installed in thickness ranging from 3/8" (9.5mm) to 2" (50.8mm).

Dex-O-Tex Ammunition Magnesite is typically installed in ammunition holds, cargo bay or other storage areas. Dex-O-Tex Ammunition Magnesite meets the requirements of Military Specifications MIL-D-18873B Deck Covering Magnesia Aggregate Mixture.

Dex-O-Tex Ammunition Magnesite is used in munitions holding areas, such as, ammo, armaments, bombs, missiles and other ordnances where surfaces are exposed to heavy duty usage and a non-sparking surface is required.

SPECIFICATION REFERENCE

U.S. Dept.
of DefenseMIL-D-18873B

LIMITATIONS

Dex-O-Tex Ammunition Magnesite is a non-aesthetic functional product designed to be used in storage and handling areas. Dex-O-Tex Ammunition Magnesite cured surface will be mottled and blotchy. It is recommended by the Manufacturer that the surface be sealed with a Dex-O-Tex sealer to improve wear and stain resistance, as well as improve cleanability.

Contact with aluminum or aluminum alloys must be avoided to eliminate corrosion of these alloys.

TECHNICAL DATA

Typical Physical Properties at 75⁰F (24⁰C)
As tested in accordance with MIL-D-18873B

Weight(6.6 lbs/ft²)
@ 1 inch thickness (kg/m²)

Compressive Strength 3,150 psi
(ASTM C109)

Bond Strength, Shear to Wood.....> 150 psi
(with Magnabond Primer)

Bond Strength, Shear to Steel.....> 400 psi
(with Magnabond Primer)

Coefficient of Slip-Resistance

Coefficient of Static Friction

	<u>Dry</u>	<u>Wet</u>	<u>Oily</u>
Leather	0.43	0.50	---
Rubber	0.81	0.67	0.50

Coefficient of Sliding Friction

	<u>Dry</u>	<u>Wet</u>	<u>Oily</u>
Leather	0.33	0.43	---
Rubber	0.80	0.62	0.39

Moisture Absorption < 10.9%

Wear Resistance< 0.165 inches

Stain ResistanceNil

Impact Resistance

(No Chipping, Cracking or Detachment)

Oil Resistance.....< 3.9% Weight Gain
< 0.55% Volume Change

SparkingNon Sparking

Electrical Resistance.....< 1 Megohm

Nailability No chipping,
cracking or detachment

Fire Resistance.....< 3.0 inch liner damage

INSTALLATION

1. Prepare Surface in accordance with manufacturer's specifications.
2. Install Dex-O-Tex Magnabond at the approximate thickness of 40 mils DFT.
3. Apply Ammunition Magnesite to the specified thickness according to Manufacturer's specifications.



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.



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