

DESCRIPTION

PolySpec® LATEX 12 Concrete is designed to produce a smooth, spark resistant and fire retardant surface. It is also used in areas where deep fills are needed and/or spark resistant qualities are desired. PolySpec® LATEX 12 Concrete is recognized on the U.S. Government's Qualified Products List under the Department of Defense Specification MIL-D-21631. It eliminates the electrolytic action previously encountered when magnesite type fill came in contact with the aluminum channels.

TYPICAL APPLICATION

• Grip Bond System	408 Emulsion and AC Compo @ 1/8" thickness
• Body Coat	PolySpec® LATEX 12 @ 1" thickness

PERFORMANCE DATA

Compressive Strength ..... 10,900 psi  
 Impact Resistance (MIL d 3135)..... 0.009" – No chipping, cracking or  
 ..... detachment from the steel plate  
 Weight (MIL D 3135) ..... 2.4 lbs/sq.ft@ 1/4" thickness

STORAGE & INSTALLATION

Storage Environment ..... Dry area, 65–80°F  
 Application Temperature, ambient ..... 50–85°F  
 Application Temperature, substrate ..... Minimum 5°F above dew point  
 Service Temperature ..... Maximum 150°F  
 Shelf Life ..... 12 months  
 Foot Traffic, @ 77°F..... 24-36 hours  
 Full Service, @ 77°F ..... Minimum 36-48 hours

*Material cures more slowly at cooler temperatures, and working time will be substantially reduced at higher temperatures. In hot weather, material should be cooled to 65°F to 80°F prior to mixing and application to improve workability and avoid shortened pot life. The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.*

CONSIDERATIONS & LIMITATIONS

1. Floors should be sloped to drain to prevent standing water or chemicals. As with any surface, all spills should be removed as soon as possible to prevent a slipping hazard.
2. Confirm product performance in specific chemical environment prior to use.
3. Prepare substrate according to "Surface Preparation" portion of this document.
4. Always use protective clothing, gloves and goggles consistent with OSHA regulations during use. Avoid eye and skin contact. Do not ingest or inhale. Refer to Material Safety Data Sheet for detailed safety precautions.
5. For industrial/commercial use. Installation by trained personnel only.

# PolySpec® LATEX 12

## TECHNICAL DATA SHEET

### Light Weight polymer Modified Concrete

BENEFITS

- Spark resistant
- Applied up to 3"
- Non-corrosive
- Very tough

RECOMMENDED USES

- Between aluminum channels in cargo ammunition holds
- Reefer boxes
- To level uneven surfaces
- Deep pour applications

GENERIC DESCRIPTION

Polymer Modified Concrete

PACKAGING / COVERAGE

PolySpec® LATEX 12 Body Coat @ 1"

LATEX 12 Compo      50 - Pound Bag / 5 sq. ft  
 LATEX 12 Emulsion    5- Gallon Unit / 50 sq. ft

PolySpec® GRIP Bonding System

408 Emulsion          5 - Gallon Unit / 300 sq. ft  
 AC Compo              40 - Pound Bag / 50 sq. ft



## SURFACE PREPARATION

**Steel:** For steel surfaces, a “Near White Metal” ultra high-pressure wash or abrasive blast with anchor profile of 2–4 mils in accordance with Steel Structures Painting Council Specification SP-10 or NACE No. 2 is required.

## PRECAUTIONS

1. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab.
2. Do NOT attempt to reactivate PolySpec LATEX 12 Concrete once it starts to set up.
3. Never install in freezing temperatures.

## INSTALLATION STEPS

1. **Primer:** Mix together LATEX 12 Liquid and LATEX 12 Powder to create a slurry. Apply by calcimine brush to deck.
2. **Body Coat:** Combine LATEX 12 Liquid and LATEX 12 Powder to produce a consistency of a trowelable mortar. Use the flat of the trowel to compact the floor and bring the emulsion up to the surface to make troweling easier.
3. **Cleaning Equipment:** Clean equipment with water before the LATEX 12 mixture hardens.
4. **Curing Cycle:** The thickness of the installed material plus temperature and humidity condition all play a factor in the time required for the drying of the material. No traffic can be put on the material in the first 24 hours after installation and generally 2 to 5 days are required for variable conditions previously stated.

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