

DESCRIPTION

PolySpec IMO CLAD Epoxy Underlayment is a 100% solids, two-component, trowel applied epoxy resin that is mixed with properly graded silica aggregates. It may be used when a deck requires a change in contour or grade, and is specially formulated to provide a sound surface beneath ceramic tile, epoxy terrazzo and other polymeric decking materials.

TYPICAL APPLICATION

• Primer	IMO Sealer @ 5-7 mils w/ Non-Skid Grit #1 (light broadcast)
• Body Coat	IMO CLAD Kit @ up to 1/2" thickness
• Optional	PolySpec IMO-Approved Primary Deck Covering

PERFORMANCE DATA

Weight @ 1/4"	MIL-D-3135	2.4 lb/ft ²
Compressive Strength .	ASTM C-307	5000 psi
Fire Resistance	IMO Res.A.687(17)	Not readily ignitable
Smoke & Toxicity	IMO Res.MSC.61(67) Part 2	Passed
Adhesive Strength	MIL-D-3135	500 psi
Volume Solids		100%

STORAGE & INSTALLATION

Storage Environment	Dry area, indoors: 18-27°C / 65-80°F
Application Temperature, ambient (ideal)	16-24°C / 60-75°F
Application Temperature, substrate ...	Minimum 50°C / 5°F above dew point
Shelf Life	1 year

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. This product should not be installed at temperatures less than 50°F (10°C) or higher than 95°F (35°C).
2. Do not thin with solvents unless advised to do so by PolySpec.
3. Confirm product performance in specific chemical environment prior to use.
4. Prepare substrate according to "Surface Preparation" portion of this document.
5. 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.
6. For industrial/commercial use. Installation by trained personnel only.

PolySpec[®] IMO CLAD

TECHNICAL DATA SHEET

Epoxy Underlayment, IMO Approved

BENEFITS

- Moisture resistant, non porous surface; long-term protection against moisture intrusion
- Fast set, minimal downtime
- Low odor, 100% solids: safe for environment, installers, and occupants
- Tenacious bond to substrate
- Excellent compressive strength
- Resists wear from tough traffic and adverse conditions

RECOMMENDED USES

- Underlayment for ceramic tile, epoxy terrazzo, vinyl, polymeric decking materials and virtually any other covering
- Wet & dry spaces in all marine and shipboard applications, especially those prone to flexing
- Approved for deck leveling or fairing

APPROVALS

- IMO FTP Code, Annex 1, Parts 2 & 6 for Safety of Life at Sea (IMO/SOLAS); classified as primary deck covering; certified to 1/2" thickness

STANDARD COLORS

Mustard

PACKAGING / COVERAGE

IMO Sealer

(Non-Skid Grit #1 sold separately)

- UNIT SIZE: 0.75-Gallon 17.1-Liter
- COVERAGE: 250 ft² 18.6 m²

IMO CLAD Kit

- UNIT SIZE: 6-Gallon Pail
- COVERAGE @ 1/4": 24 ft² 2.2 m²
- COVERAGE @ 1/2": 12 ft² 1.1 m²

SURFACE PREPARATION

This product can be applied to the following substrate(s) that have been prepared according to PolySpec Surface Preparation Guidelines:

Steel

Existing deck covering shall be totally removed. It is imperative that, before installation begins, all surfaces to which PolySpec decking product(s) will be applied — including deck, bulkheads, pipes, protrusions, etc. — are cleaned of all foreign matter such as dirt, dust, plaster, cement, paint, oil, grease, wax, rust, scale, moisture, concrete curing compounds or release agents, and other contamination.

- *Metal surfaces must be cleaned until bright metal is exposed.*
- *Surface preparation should include vertical surfaces three inches up from the deck.*
- *Surface preparation shall be by the methods most feasible, such as grinding, abrasive vacuum blasting, sanding, or using a needle gun or other appropriate hand tool(s) to clean the deck.*
- *Remove all dust and other loose material so that adhesion is assured.*

If existing substrate or deck covering cannot be removed, material must be cleaned and inspected for soundness prior to installing PolySpec product.

If PolySpec product is to be installed over an existing system, it is imperative that the coating be thoroughly sanded, cleaned and wiped with isopropyl alcohol before installation of the PolySpec decking product(s).

Urethane topcoats must be completely removed to ensure adhesion of the system.

Refer to PolySpec Guidelines for Subfloor Preparation for additional details.

INSTALLATION STEPS

For installation procedures, see:
PolySpec® IMO CLAD Installation Instructions

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