



## **Marine Decking Systems**

***PolySpec***<sup>®</sup>



“Developing innovative products that provide both aesthetics and fire safety.”



### PolySpec® FLEX®-FR

#### ***Vinyl Chip Flexible Seamless Floor***

PolySpec FLEX-FR is the original 100% solids, low odor replacement for decorative flake solvent borne polyurethane decking.

This multi-layered system utilizes a self-leveling basecoat, color coat and clear topcoats combined with pigmented vinyl chips. The resulting deck covering is semi-flexible, seamless, easy-to-clean and requires no waxing or stripping. Available in a wide variety of colors and vinyl chip combinations.

### PolySpec® TWEDE

#### ***Decorative Quartz Seamless Floor***

PolySpec TWEDE provides a finer granule look when compared to terrazzo. Colored ceramic granules are bound together in an epoxy matrix with a crystal clear topcoat. The resulting finish is seamless and has a carpet-like appearance. It provides both a non-slip texture and an easy-to-clean surface finish.

PolySpec TWEDE is available in broadcast grade (TWEDE 41) or trowel grade (TWEDE 71) in a variety of ceramic colors.

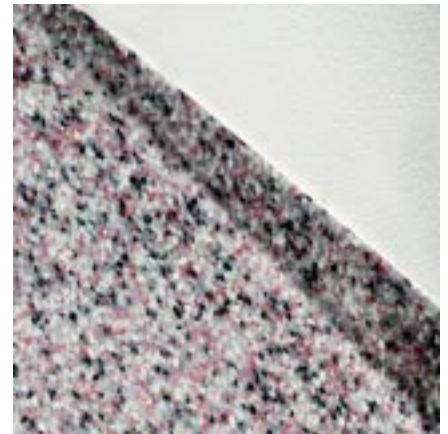
# Decorative Polymer Systems For Interior Marine Decking Surfaces



## PolySpec® FLEX®-IMO

### **Vinyl Chip Flexible Seamless Floor**

The flooring appearance is similar to FLEX-FR, however, it incorporates proprietary ingredients to meet IMO Fire Test Procedures' (FTP) requirements for combustibility, smoke and toxicity.



## PolySpec® FLOR

### **Vinyl Chip Seamless Floor**

This multi-layered system utilizes a self-leveling basecoat, color coat and clear topcoats combined with pigmented vinyl chips. The resulting deck covering is seamless, easy-to-clean and requires no waxing or stripping. Available in a wide variety of colors and vinyl chip combinations.

The approval of PolySpec FLEX-IMO is a breakthrough based on the failure of other similar systems to pass the stringent fire safety regulations. Ship owners can now have a seamless floor decking product that provides both aesthetics and fire safety rather than rely solely on vinyl tile and carpet.

PolySpec FLEX-IMO is also available in a non-skid version for showers and wet spaces.

## PolySpec® LUX

### **Epoxy Terrazzo Floor**

PolySpec LUX offers a terrazzo finish that can be installed with much less downtime than a typical terrazzo floor. Colored mineral aggregates are bound together in an epoxy matrix with a crystal clear topcoat. This seamless floor is available in a wide variety of terrazzo color combinations.

# Marine Decking Product Selection Guide

## IMO-SOLAS Certified Decking Products

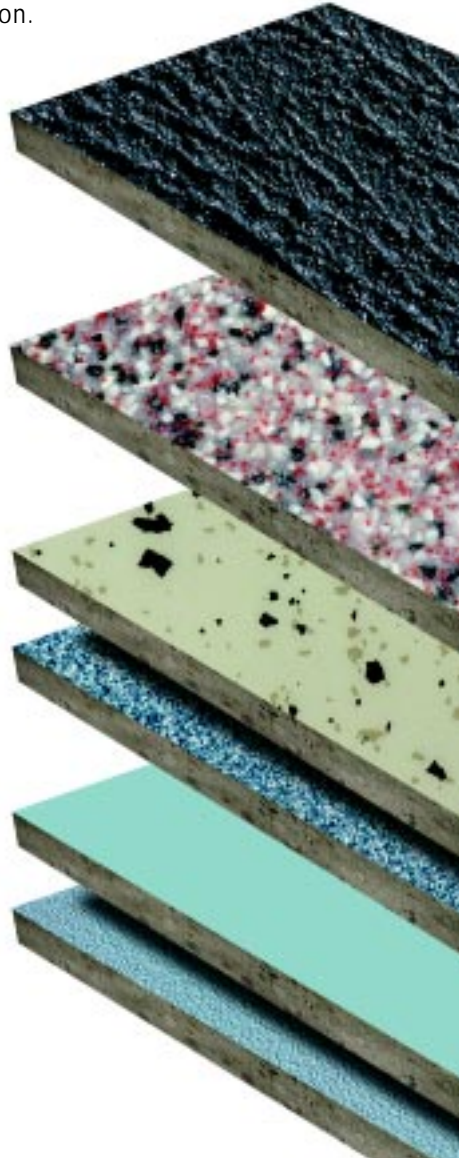
IMO-SOLAS

All U.S. flagged vessels bound for international waters are subject to IMO-SOLAS (Safety of Life at Sea) regulations regarding primary deck coverings. The true focus of the IMO and the basis for this approval is fire safety, prevention and testing. The following products have been tested and approved for combustibility, smoke and toxicity.

## U.S. Navy QPL Approved Decking Products

U.S. NAVY

These products are listed under U.S. Navy military specifications and approvals for marine deck coverings for ships. All deck coatings must undergo extensive testing and field trial to obtain certification.



### Product

PolySpec FLEX-IMO  
Vinyl Chip Flexible Seamless Floor

PolySpec 7K  
Deck Top Magnesite Insulation

PolySpec LITE LATEX  
Lightweight Polymer Modified Underlayment

PolySpec FLEX-FR  
Vinyl Chip Flexible Seamless Floor

PolySpec LUX  
Epoxy Terrazzo

PolySpec TWEDE  
Epoxy Colored Ceramic Floor

PolySpec FLOR  
Vinyl Chip Seamless Floor

PolySpec N-SKID  
Non-Skid Epoxy Traffic Deck

PolySpec LITE LATEX  
Lightweight Polymer Modified Underlayment

PolySpec CLAD  
Epoxy Underlayment

PolySpec 7K  
Deck Top Magnesite Insulation

PolySpec DEK  
Waterproof Membrane

PolySpec TITE M-50 Primer

PolySpec FORANAFT  
Latex Underlayment

PolySpec GRIP Bonding Agent

## Recommended Uses

## Approvals

## Benefits

Finished floors in living quarters, hallways & galleys

- Parts 2&6 of Annex 1 of IMO-FTP Code
- ABS Type Approval

- Decorative & durable
- Fire safety compliant

- Seamless & easy to clean
- Low odor & 100% solids

Underlayment for walls & floors requiring insulation & fire-proofing

- Parts 1&3 of Annex 1 of IMO-FTP Code
- ABS Type Approval

- Extremely lightweight
- A-60 fire rated

- Insulating
- Sound deadening

Under carpet & tile in dry spaces

- Parts 2&6 of Annex 1 of IMO-FTP Code
- ABS Type Approval

- Lightweight
- Fast-setting

- Easy to feather edge

Finished floors in living quarters, hallways & galleys

- MIL-D-24613 Type I, Type II, Class 2
- ABS Type Approval

- Decorative & durable
- Fire retardant

- Seamless & easy to clean
- Low odor & 100% solids

Finished floors in living quarters, hallways & galleys

- MIL-D-3134 Type I, Class 2
- MIL-D-24613 Type I, Class 3

- Terrazzo-like finish
- Seamless & easy to clean

- Low odor & 100% solids

Finished floors in living quarters, hallways & galleys

- MIL-D-24613 Type I, Class 1

- Ceramic carpet finish
- Seamless & easy to clean

- Low odor & 100% solids

Finished floors in living quarters, hallways & galleys

- MIL-D-24613 Type I, Class 2

- Tile-like solid color finish
- Seamless & easy to clean

- Low odor & 100% solids

Exterior flight decks on ships & offshore drilling platforms

- MIL-PRF-24667A

- Higher impact strength
- Lighterweight

- Improved bond strength
- 100% solids

Under carpet & tile in dry spaces

- MIL-D-3135 Type II, Class 1

- Lightweight
- Fast-setting

- Easy to feather edge

Under polymer coatings in wet & dry spaces

- MIL-D-3135 Type I, Class 2
- Type II, Class 2

- Moisture resistant
- Fast-setting

- High bond strength
- Low odor & 100% solids

Underlayment for walls & floors requiring insulation & fire-proofing

- MIL-D-23134 & 18873
- ABS Type Approval

- Extremely lightweight
- A-60 fire-rated

- Insulating
- Sound deadening

Reefer boxes, showers & commissary spaces

- Component of other approved systems

- Positive waterproof barrier
- Elastomeric

Anti-corrosive primer for steel

- MIL-C-24667A

- Anti-corrosive

- High bond strength

Underlayment for tile & terrazzo in wet spaces

- MIL-D-3135 Type I, Class 1

- Lightweight
- Fast-setting

- Easy to feather edge

Bonds magnesite to deck

- Component of other approved systems

- Easy to use

- Bonds to steel & concrete



“A rich legacy of proven product performance updated with cutting edge materials.”



### PolySpec® N-SKID

#### ***Non-Skid Epoxy Traffic Deck***

PolySpec N-SKID is a new generation non-skid coating designed to provide improved properties compared to traditional non-skid flight deck coatings. Current Type I coatings fail to live up to the minimum US Navy requirement of 10,000 landings prior to re-coating. PolySpec N-SKID provides:

- Greatly improved adhesion to steel decks.
- Better impact resistance due to a proprietary formula toughener.
- 100% solids – contains no volatile organic compounds (VOCs).
- Lighter than current QPL products.
- Available in “G” and “L” formulas.



### PolySpec® 7K®

#### ***Deck Top Magnesite Insulation***

This unique insulation product sets the standard for US Coast Guard A-60 fire-rated deck coverings. It combines magnesium oxychloride, lightweight aggregates and proprietary ingredients to achieve an insulation “K” factor of 0.65. It is widely used on all types of ships and offshore rigs in lieu of deck head insulation in walls and floors. It can typically be installed at less thickness than competitive products.

# Functional Decking Systems

## *For Interior and Exterior Surfaces*



### PolySpec® LITE LATEX

#### **Lightweight Polymer Modified Underlayment**

Substrates that are pitted, rough, have high weld seams, are out of level, or need to pitch to drain, require a quality underlayment to provide a smooth surface for the finished product.

PolySpec LITE LATEX is a fast-setting and versatile latex-modified underlayment that combines fire safety and high adhesive strength to prepared substrates. It is used prior to installation of carpet and tile.



### PolySpec® CLAD

#### **Epoxy Underlayment**

Any finished deck coating is only as functional as the surface over which it is installed. PolySpec CLAD consists of graded silica aggregates combined with an epoxy resin matrix to provide a sound surfacing material prior to application of polymer coatings.

### PolySpec® DEK

#### **Waterproof Membrane**

PolySpec DEK is an elastomeric coating reinforced with fiberglass to provide waterproofing in wet spaces. This seamless membrane follows the contour of the substrate and can be overlaid with tile or polymer coatings. Typical applications include reefer boxes, commissary spaces or other moisture contaminated rooms.

**In 1925 Calvin Coolidge** was President of the United States, Prohibition was underway, and the dance clubs were roaring. It was also the year that the first Selby, Battersby & Company product was installed on the S/S PRESIDENT POLK.



**In the convening years,** Selby built a reputation throughout the world as an innovator in quality deck coverings, underlayments and A-60 rated insulating and fireproofing materials.

**Selby products have been installed** on thousands of decks on most of the large ships built in this country's leading shipyards... famous vessels as the passenger liners UNITED STATES, AMERICA, CONSTITUTION, INDEPENDENCE, Polaris and



Poseidon submarines and aircraft carriers. In addition, these deck covering materials are used on hundreds of offshore drilling rigs in locations such as Nigeria, Singapore, Norway and the Gulf of Mexico.

**In 1997, the Selby Marine Division** of Harris Specialty Chemicals was purchased by PolySpec.

**PolySpec is committed** to producing the most comprehensive product line of interior and exterior deck covering materials available in the world. FLEX-FR was one of the first low odor products developed to replace polyurethane decking and polymer decking product to meet IMO's new fire safety regulations.



**New product innovation** coupled with a rich history of proven products... this is what we call Excellence Born of Experience.