

POLY-THANE #2 HIGH SOLIDS

DESCRIPTION

POLY-THANE #2 HIGH SOLIDS is a two-component, clear polyester high solids protective coating. It is designed to ultimately replace POLY-THANE #2 and to provide the best possible wearability without the VOC concerns encountered with traditional urethane systems. It should be used as a topcoat over the DUR-A-GARD, SHOP FLOOR, DUR-A-CHIP and DUR-A-QUARTZ systems. POLY-THANE #2 HIGH SOLIDS can also be used as a chemical resistant coating over POLY-CRETE broadcast systems.

BENEFITS

- Easy To Use Mix Ratio
- Good Solvent Resistance
- Lower Odor
- Good Chemical Resistance
- Good Stain Resistance
- Higher Solids, Lower VOC than other conventional Urethane top coats
- Non-Ambering
- Excellent Abrasion

TYPICAL USES

- Performance Topcoat for DUR-A-GARD
- Performance Topcoat for SHOP FLOOR System
- Performance Topcoat for DUR-A-CRETE System
- Performance Topcoat for POLY-CRETE broadcast systems
- Re-Coat for dull epoxy/urethane coatings
- Performance Topcoat for Glaze KF
- Maintenance Bays and Machine Shops
- Firehouse Floors
- Bathroom Floors
- Kitchen Floors
- Pharmaceutical Floors

SURFACE PREPARATION

This product requires preparation in order to perform as expected. Substrate must be profiled, clean, sound, and dry. Substrate must be primed with DUR-A-SHIELD, DUR-A-POXY HIGH GLOSS, or DUR-A-GLAZE TIE-COAT, and sufficiently coated with DUR-A-GARD, SHOP FLOOR, DUR-A-CRETE, DUR-A-CHIP and DUR-A-QUARTZ. Please refer to the master Surface Preparation Guide on our website for more information.

APPLICATION METHOD/SPREAD RATE

POLY-THANE #2 HS is typically applied with brush and roller at approximately 250-300 Sq Ft per gallon to yield a dry film thickness of 4 mils.

LIMITATIONS

This product is best suited for application in temperatures between 60°F and 90°F. Substrate must be clean, sound, and dry. Do not apply POLY-THANE #2 HS at less than 200 square feet per gallon or greater than 400 square feet per gallon.

For best adhesion, re-coat in less than 24 hours. If re-coating after 24 hours, sand with 120 grit screen and solvent wipe. When applying outside of the re-coat window, call the DUR-A-FLEX Technical Service Department.

Ignition sources, sparks and open flame must be avoided during application- especially in confined areas. POLY-THANE #2 HS is highly flammable in its liquid state. Moving air with exhaust ventilation is necessary in most instances.

COLORS

POLY-THANE #2 HIGH SOLIDS is tinted with ADD-A-COLOR #4 and is available in 15 standard colors. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

Tinted POLY-THANE #2 HIGH SOLIDS should only be used over broadcast systems. Do not use on smooth surfaces.

PACKAGING

POLY-THANE #2 HS is available in 1-gallon cans, 5-gallon pails, and 50-gallon drums.

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TECHNICAL INFORMATION

Mix Ratio, by Volume	2:1
Pot Life, 72°F, (parts combined)	2 hours
Working Time on Floor, 72° F	30+ minutes
Shelf Life, 72°F	1 year in unopened containers
Viscosity	Can be measured
Drying Properties, 72°F, 50% R.H	6 -8 hours.
Hard Dry	12 hrs.
Chemical Resistance	5 - 7 days
Flash-point, Closed Cup Test	110°F

Physical Property	Test Method	Result
60 Gloss	ASTM D-523	90+
Solids by volume		70+/-5*
Adhesion	ASTM D-4541	600 psi
Flame Spread / NFPA-101	ASTM E-84	Class A
Hardness	ASTM D-3363	4H
QUV	UVB-373/1500hrs	Gloss Retention
Coefficient of Friction	ASTM D-2047	>0.6
Abrasion Resistance CS17 wheel (1000g load) 1000 Cycles	ASTM D-4060	10 mg loss
VOC Content		320.8 g/l

* Depends on color selected.

MOISTURE CONCERNS

Please refer to the Floor Evaluation Flow Chart in the Contractor's Center of our website for a step-by-step process to determine the condition of the concrete.

CLEANING

This product is considered to be a low maintenance flooring solution, however, certain textures and service environments require specific procedures. Please refer to the master Cleaning Guide on our website.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please refer to the master Chemical Resistance Chart on our website for actual resistance to specific chemicals/reagents.

CAUTION

Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed. KEEP OUT OF REACH OF CHILDREN.

JOINT GUIDELINES

Refer to the Joint Guidelines for complete details on our website.

Before using any DUR-A-FLEX, Inc. product, be sure the Material Safety Data Sheet is read and understood.