

## POLY-THANE #2 HIGH SOLIDS

### DESCRIPTION

POLY-THANE #2 HIGH SOLIDS is a two-component, clear polyester high solids protective coating. 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
- Good Chemical Resistance
- Good Stain Resistance
- Higher Solids
- Non-Ambering
- Excellent Abrasion Resistance

### 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.

### TYPICAL USES

- Maintenance Bays and Machine Shops
- Firehouse Floors
- Bathroom Floors
- Kitchen Floors
- Pharmaceutical Floors

### 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.

### 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 or DUR-A-GLAZE TIE-COAT II, 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.

# POLY-THANE #2 HIGH SOLIDS

## TECHNICAL INFORMATION

Mix Ratio, by Volume	2:1
Pot Life, 72°F, (parts combined)	1 hour
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.
Foot Traffic	24 hrs.
Vehicle Traffic	48 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		232 g/l

\* Depends on color selected.

### JOINT GUIDELINES

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

### MOISTURE CONCERNS

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

### 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.

### 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.

### 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.**

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