



DUR-A-SHIELD #2

DESCRIPTION

DUR-A-SHIELD #2 is a two component, transparent, epoxy primer/sealer designed for penetrating and sealing concrete floors. It is designed to comply with the new government regulations concerned with reducing VOC content in floor coatings. It cures to form a tough, smooth, glossy surface. It offers equal or better chemical resistance and performance properties than the old version but with added benefits. DUR-A-SHIELD #2 is recommended as a primer for other DUR-A-FLEX epoxy coatings and resurfacing systems.

BENEFITS

- Easy to Use
- Easy Maintenance
- Easy Mix Ratio 2:1
- One Coat Application
- Excellent Adhesion

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry.

This product is designed to be applied thin. Do not use this product to “fill” or “level any surface imperfections. Any build up in excess of 12 mils wet film thickness will not cure properly.

TYPICAL USES

DUR-A-SHIELD #2 is typically used as a primer for many of the DUR-A-FLEX flooring systems.

As a stand alone system:

- Warehouses
- Auditoriums
- Garages
- Machine Shops
- Storage Areas
- Hangars

As a primer for:

- DUR-A-GARD
- DUR-A-QUARTZ
- DUR-A-GARD S/L
- SHOP FLOOR

COLORS

DUR-A-SHIELD #2 is produced clear but can be tinted by adding 8 oz. of Add-A-Color #4 per mixed gallon of DUR-A-SHIELD #2. If tinted, induct for 15 minutes prior to application. DUR-A-SHIELD is available in 15 standard colors. Please refer to the Standard Color Chart on our website. Custom colors are available upon request.

PACKAGING

DUR-A-SHIELD #2 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 roughened, clean, sound, and dry. Please refer to the master Surface Preparation Guide on our website for more information.

APPLICATION METHOD/SPREAD RATE

DUR-A-SHIELD #2 is typically applied with a roller at approximately 200-250 Sq Ft per gallon, depending on substrate type and condition. Use a high quality, mohair type, roller cover. Soak roller in a suitable paint tray or a large pail.

For proper flow and wetting, maintain DUR-A-SHIELD #2 at room temperature prior to mixing. The hardener and resin should be thoroughly mixed before combining. Scrape the bottom and sides of each container. The resin and hardener can then be combined and mixed using a slow-speed electric drill with a Jiffler type mixing attachment.

GUIDE SPECIFICATIONS

This product is part of the DUR-A-FLEX family of polymer systems. Please contact DUR-A-FLEX for complete three-part guide specs.

DRAWINGS AND DETAILS

Standard CAD drawings and details are available for coves, drains, breaches, transitions, etc. Please contact DUR-A-FLEX for actual drawings.

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PHYSICAL PROPERTIES

Physical Property	Test Method	Result
60 Gloss	ASTM D-523	90+
Impact Resistance	ASTM D-2794	>160
Solids by volume		57+/-5
Adhesion	ASTM D-4541	550 psi
Hardness	ASTM D-3363 ASTM D-2134	4H 60+
Flexibility (1/4: Cylindrical mandrel)	ASTM D-1737	Pass
Elongation	ASTM D-2370	7%
Re-Coat Time	at 70°F	6 Hrs
Coefficient of Friction	ASTM D-2047	>0.6 Dry
Abrasion Resistance CS17 wheel (1000g load)	ASTM D-4060 1000 Cycles	35 mg loss
Dry Time	at 70°F	6 Hrs
Tack Free	at 70°F	4 Hrs
VOC Content		330.1 g/L

JOINT GUIDELINES

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

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.

CHEMICAL RESISTANCE

This product is resistant to many common chemicals. Please refer to the master Chemical Resistance Chart 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 Material Safety Data Sheet is read and understood.