

## DUR-A-GARD S/L

### DESCRIPTION

DUR-A-GARD S/L is a combination of "tinted" DUR-A-GLAZE #4 100% solids epoxy, and a special blend of natural quartz aggregates and fillers. The epoxy and aggregates are fused together during application to form an extremely durable, easy to clean, monolithic surface. It protects new concrete floors from chemical attack and industrial abuse, as well as restores damaged, old concrete to better than new condition. This floor system was designed for ultimate cleanability, and for areas where dirt or dust cannot be tolerated. The high gloss tile-like finish is stain resistant and virtually unaffected by oil, grease, gasoline, strong detergents, salt, etc.

### BENEFITS

- Stain Resistant
- Easy to Clean
- Good Color Stability
- Durable
- Minimal Downtime
- Abrasion Resistant

### COLORS

DUR-A-GARD S/L is available in 15 standard colors (see Limitations). Please refer to the Standard Color Chart @ [Standard Color Chart](#).

### TYPICAL USES

DUR-A-GARD S/L is best suited for application over concrete but can be applied to other properly prepared substrates such as wood, steel, or brick pavers.

- Pharmaceutical Facilities
- Plastics Facilities
- Laboratories
- Clean Rooms
- Assembly Areas

### 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. Please refer to the master "**Surface Preparation Guide**" for more information.

### APPLICATION METHOD / SPREAD RATES

DUR-A-GARD S/L is typically applied with a notched squeegee or gage rake. DUR-A-GARD S/L will yield a 35 – 100 mil thickness in one application depending on substrate type and condition. See DUR-A-GARD application instruction sheet for complete instructions.

### LIMITATIONS

*To achieve proper hiding the color White must be applied at a thickness of 100 mils.* This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry. Certain colors appear white when scratched. Smoke Blue should be top coated with POLY-THANE 2 HIGH SOLIDS with ADD-A-COLOR to reduce the "White" appearance of scratches.

### PACKAGING

DUR-A-GARD S/L epoxy is available in 1-gallon cans, 5-gallon pails and 50-gallon drums. The filler is available in 50 lb bags and the aggregate is available in 100 lb bags. DUR-A-GARD S/L components have a shelf life of one year in the original unopened containers.

### 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**".

### 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.

### CHEMICAL RESISTANCE

This product is resistant to most common chemicals. Please refer to the master "**Chemical Resistance Chart**" for actual resistance to specific chemicals/reagents.

### JOINT GUIDELINES

Refer to the [Joint Guidelines](#) for complete details on our website.

# DUR-A-GARD S/L

## TECHNICAL INFORMATION

Color	Available In All Standard Colors	
Mix Ratio (by volume)	1 Part Hardener To 2 Parts Resin	
Viscosity at 70° F	700 cps	
Pot life at 70° F	20 – 25 Minutes	
Cure Time, Touch Dry at 70° F	4 – 6 Hours	
Cured Film Thickness	16 Mils at 100 Sq. Ft. / Gallon Spread Rate	
Toxicity	Non – Toxic, USDA Approved	
Physical Property	Test Method	Result
Hardness (Shore D)	ASTM D-2240	70-80
Compressive Strength	ASTM D-695	16,000 psi
	ASTM C-579	10,500 psi
Tensile Strength	ASTM D-638	3,000 psi
	ASTM C-307	1,950 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790	4,000 psi
	ASTM C-580	2,900 psi
Flexural Modulus of Elasticity	ASTM D-790	$5.5 \times 10^5$
Linear Expansion	ASTM D-696	$2 \times 10^{-5}$
Bond Strength to Concrete	ASTM D-4541	400 psi substrate fails
Indentation	MIL D-3134	.025 MAX
Impact Resistance	MIL D-3134	Pass
Water Absorption	ASTM D-570	0.04%
Heat Resistance Limitation		140°F - 200°F
Flammability	ASTM D-635	Self Extinguishing
Flame Spread/NFPA 101	ASTM E-84	Class A
Abrasion Resistance CS17 Wheel 1000 GM Load 1000 Cycles	ASTM D-4060	35 mg loss
Coefficient of Friction Orange Peel Smooth	ASTM D-2047	0.8
		0.7
VOC Content		0 g/l

### DRAWINGS AND DETAILS

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

### 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.

### CAUTION

**Slight batch-to-batch color variations may occur. When ordering to match a previous color, inquire if the same batch number or quality control number is still available. 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*