

ASTRA-A-GLAZE SR#10

product data sheet



DESCRIPTION

ASTRA-A-GLAZE SR#10 S/L is a hybrid polymer combining the advantages of Epoxy, Polyurethane and Polyaspartics in a special blend of natural quartz aggregates and fillers.

The Resin 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
- Durable
- Easy to Clean
- Minimal Downtime
- Good Colour Stability
- Abrasion resistant

COLORS

ASTRA-A-GLAZE SR#10 S/L is available in standard colours. Refer to the Standard Colour Chart for actual colours. Custom colours are also available. See limitations for certain colours.

TYPICAL USES

ASTRA-A-GLAZE SR#10 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 ASTRA-A-SHIELD, ASTRA-A-POXY HIGH GLOSS, or ASTRA-A-GLAZE TIE-COAT. Please refer to the master "**Surface Preparation Guide**" for more information.

APPLICATION METHOD /SPREAD RATES

ASTRA-A-GLAZE SR#10 S/L is typically applied with a notched squeegee or gage rake. ASTRA-A-GLAZE SR#10 S/L will yield a 0.75 – 3.00 mm thickness in one application depending on substrate type and condition. See ASTRA-A-GLAZE SR#10 application instruction sheet for complete instructions.

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry. Certain colours appear white when scratched. Black should be top coated with Astra-A-Glaze Clear to reduce the "White" appearance of scratches.

CHEMICAL RESISTANCE

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

PACKAGING

ASTRA-A-GLAZE SR#10 S/L Resin is available in 8 Kg cans, 22 Kg pails and 50 Kg drums. The filler is available in 30 Kg bags and the aggregate is available in 50 Kg bags. ASTRA-A-GLAZE SR#10 S/L components have a shelf life of one year in the original unopened containers.

ASTRA-A-GLAZE SR#10

TECHNICAL INFORMATION

Color	Available In All Standard Colours
Mix Ratio (by volume)	1Part Hardener To 3 Parts Resin
Viscosity at 25° C	700 cps
Pot life at 25° C	20-25 Minutes
Cure Time, Touch Dry at 25° C	4-6 Hours
Toxicity	Non – Toxic

Physical Property	Test Method	Result
Hardness (Shore D)	ASTMD-2240	70-80
Compressive Strength	ASTM D-695 ASTM C-579	18,500 psi 12,000 psi
Tensile Strength	ASTM D-638 ASTM C-307	4,000 psi 2,500 psi
Tensile Elongation	ASTM D-638	7.50%
Flexural Strength	ASTM D-790 ASTM C-580	4,500 psi 3,200 psi
Flexural Modulus of Elasticity	ASTM D-790	5.5×10^3
Linear Expansion	ASTM D-696	2×10^{-3}
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	18 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 refer to the Master “**Drawings and Details**” guide for actual drawings.

GUIDE SPECIFICATIONS

This product is part of the family of ASTRA POLYMER systems. Please refer to the master “**Specifier's Guide**” for complete three part guide specs.

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**” for more information

JOINT GUIDELINES

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

CAUTION

Adequate cross ventilation should be provided. Read, understand and follow Material Safety Data Sheets and Application Instructions of this flooring system prior to use. Follow the Hazardous Materials Identification System labeling guide for proper personal protective equipment to use when handling this product. Use only as directed.

Before using any ASTRA. product, be sure the Material Safety Data Sheet is read and understood.

WARRANTIES

Seller warrants that its goods, as described on the face hereof, are free from any defects in material or workmanship. Seller makes no other warranty, express or implied, and all implied warranties of merchantability and fitness for a particular purpose are hereby disclaimed. Seller shall not be liable for prospective profits or special indirect or consequential damages. Seller's sole liability and buyer's exclusive remedy for breach of any warranty as expressly limited, at seller's option, to replacement at the original F.O.B. point or refund of purchase price. Seller shall not be responsible for any claim resulting from failure to utilize product in the manner in which it was intended and in accordance with instruction provided for use of product. Any claim for breach of warranty shall be deemed waived unless buyer shall give seller written notice of such claim within sixty (60) days after delivery and shall allow seller reasonable opportunity to investigate claim and inspect product.