

ASTRA-A-QUARTZ "TM" EPOXY FLOORING (Trowel Method)

product data sheet



DESCRIPTION

ASTRA-A-QUARTZ "TM" Epoxy Flooring is a heavy-duty, decorative, trowel applied, seamless flooring/resurfacing mortar comprised of specially formulated, clear, Three-component, 100% solids epoxy and a special quartz aggregate blend. It is designed to decorate and protect new floors from chemical deterioration and abuse from tough traffic. ASTRA-AQUARTZ "TM" adheres tenaciously to properly prepared concrete, metal, tile, brick pavers, and wood.

BENEFITS

- Little or No "Down Time".
- Easy to Maintain.
- Chemical Resistant.
- Serves Long Life.
- Eliminates Waxing or Stripping.

TYPICAL USES

- Laboratories
- Cafeterias
- Showrooms
- Classrooms
- Lobbies
- Busy Corridors
- Pharmaceutical Plants
- Restrooms
- Industrial Plants

COLORS

ASTRA-A-QUARTZ "TM" is available in the same blends as ASTRA-A-QUARTZ "BM". Refer to the ASTRA-A-QUARTZ Color Selector Chart for these standard blends.

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**" for more information.

APPLICATION METHOD /SPREAD RATES

ASTRA-A-QUARTZ "TM" is trowel applied. It is customarily applied at 3mm or 2mm thickness, but can be applied up to 6mm to fill and level an eroded or damaged concrete floor. The standard surface texture is smooth, but a slip-resistant grit can be added to the topcoat. A seamless sanitary cove base can be incorporated as an integral part of the flooring. See ASTRA-A-QUARTZ "TM" application instructions for complete details.

LIMITATIONS

This product is best suited for application in temperatures between 55°F and 95°F. Substrate must be clean, sound, and dry. Some trowel marks may be evident, especially on large, open areas.

CHEMICAL RESISTANCE

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

PACKAGING

ASTRA-A-QUARTZ "TM" is available in 6-Kg cans, 23Kg pails and 50 Kg drums. ASTRA-A-QUARTZ aggregate is available in 50 Kg bags.

SPECIAL PURPOSE FORMULA/CURE TIME

ASTRA-A-GLAZE #4 Water Clear hardener should be used throughout the system.

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TECHNICAL INFORMATION

Physical Property	Test Method	Result
Hardness (Shore D)	ASTMD-2240	75-80
Compressive Strength	ASTMD-695	17,500 psi
Tensile Strength	ASTMD-638	4,000 psi
Tensile Elongation	ASTMD-638	7.50%
Flexural Strength	ASTMD-790	6,250 psi
Coefficient of Linear Expansion in./in./degrees F	-12°F to 140°F B13ASTMD-696	20x10 ⁻⁶
Bond Strength to Concrete	ACI-403	335 psi, concrete fails
Shear from Steel Plate	MIL D-3134	1050 psi
Indentation	MIL D-3134	0.025
Impact Resistance	MIL D-3134	No cracking or delamination
Elevated Temperature	MIL D-3134	No slip of flow
Water Absorption	ASTM D-570	0.04%
Electrical Conductivity		Non-conductive
Flammability	ASTM D-635	Self extinguishing
Flame Spread/NFPA-101	ASTM E-84	Class A
Abrasion Resistance Taber Abrader CS-17 wheels, 1000 gm. Load, 1000 cycles	ASTM D-4060	Avg.24.0 mg.loss
Coefficient of Friction Smooth	ASTMD-2047	0.7
Toxicity		Non-toxic.
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.