

SYSTEM : PUREPOXY QUARTZ

TECHNICAL DATA SHEET

DESCRIPTION

PurEpoxy Quartz is a highly-durable concrete coating application which incorporates a double broadcast of colored quartz aggregates with polyaspartic or epoxy concrete coatings. The system provides flooring solutions for the most demanding heavy-traffic environments, specifically in areas which require excellent high traction properties.

ADVANTAGES

- High traction coefficient
- Wide assortment of custom finishes
- Interior or exterior use
- Superior durability & impact resistance
- Rapid return to service

POPULAR APPLICATIONS

- Parking garages
- Turning lanes, ramps and other high torque areas
- Exterior walk-ways
- Commercial kitchens
- Veterinarian clinics
- Locker rooms
- Restrooms

CURED SYSTEM PROPERTIES

COEFFICIENT OF FRICTION (ASTM C-1028)	dry: 1.16 wet: 0.89
HARDNESS (ASTM D 2240)	74
ABRASION RESISTANCE (ASTM D-4060 MG LOSS)	22-28
TENSILE STRENGTH (ASTM D-638,D-2370 PSI)	4500-5000
SUBSTRATE ADHESION (ASTM D-4541, PSI)	400-500+, concrete fracture
FLAMMABILITY (ASTM D-635)	self extinguishing

RECOMMENDED THICKNESS

	PE-100	PP-HFAST	PP-S85
BASE COAT	8 mils	10 mils	10 mils
BROADCAST	1 lb / sq.ft	1 lb / sq.ft	1 lb / sq.ft
SECOND COAT	14 mils	12 mils	12 mils
BROADCAST	½ lb / sq.ft	½ lb / sq.ft	½ lb / sq.ft
TOP COAT (OPTIONAL)	14 mils	14 mils	14 mils

SURFACE PREPARATION

Old concrete

Concrete surface must be cleaned. BLASTRAC, sand blasting, diamond grinder w/30 grit or coarse, or water blasting is highly recommended to remove surface contaminants. Any oils and fats must be removed prior to product application. Acid etching may be required (followed by a thorough rinsing) to open the pores of the concrete to accept a primer. Do not apply to wet substrates. Chloride, moisture, and pH levels should be checked prior to application.

New concrete

The concrete should be allowed to cure for a minimum of 30 days. Compression resistance of concrete must be at least 25 MPa (3625 lb/inch²) after 28 days and traction resistance must be at least 1,5 MPa (218 lb/in²). BLASTRAC, sand blasting, diamond grinder w/30 grit or coarser or acid etching (followed by a thorough rinsing) is required to remove the surface laitance that appeared during the curing process. A primer should be used to reduce out-gassing and promote adhesion.

CLEANING

Clean all tools and materials with xylene. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

RESTRICTIONS

- Substrate temperature must be 5.5°F (3°C) above dew point measured
- Humidity content of substrate must be < 4 % when coating is applied
- Do not apply on porous surfaces where a transfer of humidity may occur during application
- Avoid exterior use on substrates at ground level
- Protect from humidity, condensation and contact with water during the 24 hour initial curing period
- Surface may discolor in areas exposed to regular ultraviolet light

HEALTH AND SAFETY

Consult the appropriate material safety data sheet for further information.

IMPORTANT NOTICE

All statements, recommendations and technical information contained in this document are accurate to the best knowledge of PurEpoxy. The data relates only to the specific material designated herein. It may not be valid if used in combination with any other materials. It is the users' responsibility to verify suitability of this information for their own particular use, and to test this product before use. PurEpoxy assumes no legal responsibility for use upon these data. PurEpoxy assumes no legal responsibility for any direct, indirect, consequential, economic, or any other damage except to replace the product or refund the purchase price as set out in the purchase agreement.