

## SYSTEM : PUREPOXY FLAKES

# TECHNICAL DATA SHEET

## DESCRIPTION

PurEpoxy flakes are multi-coat broadcast concrete coating system. It is available in a variety of choices and color flakes to match your floor. We can even create custom colors to further customize your floor. PurEpoxy flakes can be used for terrazzo-like seamless flooring and numerous types of commercial and residential flooring applications.

## ADVANTAGES

- Wide choices of blends and finishes
- Can be used as a floor or wall coating (vertical surface)
- Not much maintenance
- UV coating
- Contoured finish allows for optimal traction
- No hot-tire pickup
- 1-day installation with next-day return to service with polyaspartic
- All-climate installation, including cold weather
- Superior chemical resistance (gasoline, oil and de-icing salts)

## POPULAR APPLICATIONS

- Garages
- Recreational Facilities
- Basements
- Patios
- Grocery
- Schools

## CURED SYSTEM PROPERTIES

<b>COEFFICIENT OF FRICTION (ASTM C-1028)</b>	dry: 0.95    wet: 0.65
<b>HARDNESS (ASTM D 2240)</b>	80
<b>ABRASION RESISTANCE (ASTM D-4060 MG LOSS)</b>	22-28
<b>TENSILE STRENGTH (ASTM D-638,D-2370 PSI)</b>	4500-5000
<b>SUBSTRATE ADHESION (ASTM D-4541, PSI)</b>	400-500+, concrete fracture
<b>FLAMMABILITY (ASTM D-635)</b>	self extinguishing

## RECOMMENDED THICKNESS

	PE-100	PP-HFAST
BASE COAT	12 mils	10 mils
FLAKES	14 lbs / 100 ft <sup>2</sup>	
TOP COAT	12 - 14 mils	12 -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. In almost every application a primer is recommended prior to use of PE-100 or PP-HFAST.

### 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/inch<sup>2</sup>) after 28 days and traction resistance must be at least 1,5 MPa (218 lb/in<sup>2</sup>). 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.