SYSTEM: **PUREPOXY DECK**

TECHNICAL DATA SHEET

DESCRIPTION

PurEpoxy DECK is a 100% solids, two component, liquid epoxy-urethane hybrid waterproofinng membrane. It is designed to be used as a seamless waterproofing membrane to protect concrete from water damage. It also offers excellent chemical resistance and protects against common parking deck chemicals. It is skid resistant and offers excellent durability and abrasion resistance. It exhibits very good mechanical properties, such as high elongation and tear resistance.

ADVANTAGES

- May apply several layers on itself
- Contains 100% solids and is VOC compliant, allowing for interior application without harmful odors
- Excellent adhesive properties, allowing application on other firm and hard coating, as well as a good bond to the substrate
- Superior flexibility
- It is non-fammable and solvent free

POPULAR APPLICATIONS

- Parking garages
- Mechanical rooms
- Stadiums
- Balconies
- laza decks

CURED SYSTEM PROPERTIES

COEFFICIENT OF FRICTION (ASTM C-1028)	dry: 0.95 wet: 0.65
HARDNESS (ASTM D 2240)	80
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

SURFACE PREPARATION

Old concrete: Concrete surface must be cleaned. BLASTRAC shot blasting is highly recommended to remove surface contaminates. Any oils and fats must be removed prior to product application. 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/in^2) after 28 days and traction resistance must be at least 1,5 MPa (218 lb/in^2). BLASTRAC shot is required to remove the surface laitance that appeared during the curing process.

APPLICATION DIRECTION

MEMBRANE: According to the specification of the system (light or high) apply **PE-MF100** using a proper notched squeegee, at a coverage rate of 80 ft^2 / US GAL. Then roll the surface to make it uniform so as to obtain a wet film thickness of 20 mils.

Light Traffic System (40 mils system total)

1. Apply 20 wet mils of PU-MEMBRANE with proper notched squeegee at a rate of 80 ft^2 / gallon.
2. Allow base coat to cure 8-12 hours, do not exceed 24 hours.
3. Apply 20 wet mils of PE-MF100 at a rate of 80 ft^2 / gallon.
4. Immediately broadcast aggregate at rate of 10 – 15 lbs/100 ft^2 into wet PE-MF100 coating and back-roll to encapsulate.
5. Allow a minimum curing time of 24 hours before allowing pedestrian traffic on the coating.

High Traffic System (60 mils system total)

1. Apply 20 wet mils of PU-MEMBRANE with proper notched squeegee at a rate of 80 ft^2 / gallon.
2. Allow to cure 8 to 12 hours, do not exceed 24 hours.
3. Apply 20 wet mils of PE-MF100 at rate of 80 ft^2 / gallon.
4. Back-roll to level and immediately broadcast aggregate at rate of 10 – 15 lbs/100 ft^2.
5. Allow minimum curing time of 8-12 hours, do not exceed 24 hours.
6. Apply another 20 wet mils of PE-MF100 at rate of 80 ft^2 / gallon.
7. Back-roll to level and immediately broadcast aggregate at rate of 10 – 15 lbs/100 ft^2.
8. Allow a minimum curing time of 24 hours before allowing pedestrian traffic on the coating.

	PACKAGING	LIGHT TRAFFIC SYSTEM	HEAVY DUTY TRAFFIC SYSTEM
1ST COAT (PE-MF100)	15L (3.96 US GAL KIT)	20 mils (80 sq. ft./gal)	20 mils (80 sq. ft./gal)
2ND COAT (PE-MF100)	15L (3.96 US GAL KIT)	-	20 mils (80 sq. ft./gal)
SAND AGGREGATE	50 lb (#40 MESH)	10-15 lbs / 100 ft^2	10-15 lbs / 100 ft^2
TOTAL		**40 MILS**	**60 MILS**

Consult the specific products technical data sheet for further information.

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.