EUPCo888X
Pro Floor Polyaspartic Topcoat

DESCRIPTION

EUPC888X is a two component high solids polyaspartic clear topcoat with excellent chemical resistance, UV stability, abrasion resistance and hardness. This material is intended to be used as a high gloss topcoat over paint chips, decorative broadcasts or colored quartz broadcasts to provide an infinite array of color schemes or patterns. EUPC888X is designed with a user friendly 1:1 (b y volume) mix ratio and has a longer working time than most polyaspartic coatings.

RECOMMENDED USES

Recommended for many industrial, commercial and residential applications.

PRIMER

Recommend a suitable epoxy broadcasted base system and/or adhesion testing prior to use.

TOPCOAT

Optional: None required.

LIMITATIONS

- Proper ventilation is necessary when using this product
- Color stability may be affected by environmental conditions like high humidity/chemical exposure.
- Exposure to some types of lighting such as sodium vapor lights may cause discolorations.
- Clarity of color may vary from batch to batch.
- Substrate temperature must be 5°F above dew point.
- Too thick of an application may result in surface imperfections or bubble generation.
- Always apply a test patch to determine product suitability and adhesion performance for your proposed application method and procedures.
- All new concrete must be cured for at least 30 days prior to application.
- Do not expose this product to water until fully cured.
- See reverse side for application instructions.
- Physical properties are typical values and not specifications.
- See reverse side for limitations of our liability and warranty.
- Relative humidity can affect dry time and gel time.

CURE SCHEDULE*

@ 70° F, 70% relative humidity

Pot life (to gel) (150 gr am mass) .....<2 Hours
(actual usable working time is approximately 15-20 minutes depending on environmental conditions & volumes)

Tack free (dry to touch) .....4-8 Hours

Recoat or Topcoat .....6-9 Hours

Light foot traffic .....24 Hours

Full cure (heavy traffic) .....2-7 D ays

Application Temperature 50°F-90°F with relative humidity below 85%

PHYSICAL CHARACTERISTICS

PROPERTY	TYPICAL VALUES
SOLIDS BY WEIGHT	84% (+/- 3%)
SOLIDS BY VOLUME	83% (+/-3%)
VOLATILE ORGANIC CONTENT	<95 grams per liter
COLORS AVAILABLE	Clear – gardner color 1-2, pigment packs available
RECOMMENDED FILM THICKNESS	5-12 mils wet (when applying directly to concrete, precautions should be taken to properly prepare the substrate and the moisture content of the substrate should be tested. Do not apply to damp surfaces.)
COVERAGE PER GALLON	110-320 squar e feet per gallon
PACKAGING INFORMATION	2 and 10 gallon kits (net approximately)
MIX RATIO	One part A to one part B by volume (volumes approximate)
SHELF LIFE	6 months in unopened containers
FINISH CHARACTERISTICS	Gloss (>80 at 60°F)
COMPRESSIVE STRENGTH	11,500 psi @ ASTM D695
TENSILE STRENGTH	3,800 psi @ ASTM D638
ULTIMATE ELONGATION	2.4%
HARDNESS	Shore D= 55-60
ABRASION RESISTANCE	Taber abraser CS-17 calibr ase wheel with 1000 gram total load and 500 cycles= 15 mg loss
VISCOSITY	<500 centipoise typical
DOT CLASSIFICATIONS	Part A “Not Regulated” Part B “UN1993, FLAMMABLE LIQUID N.O.S., (CONTAINS XYLENE, ETHYLBENZENE), 3, PGIII”

CHEMICAL RESISTANCE

REAGENT	TYPICAL VALUES
XYLENE	C
1,1,1 TRICHLOROETHANE	B
MEK	A
METHANOL	B
ETHYL ALCOHOL	B
SKYDROL	C
50% SODIUM HYDROXIDE	E
10% SULFURIC ACID	C
10% HC1 (AQ)	C
5% ACETIC ACID	C

RATING KEY

A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill D - 72 hour immersion, E - long term immersion.

1 | PRODUCT STORAGE

Store product at normal room temperature before using. Continuous storage should be between 60°F and 90°F. Low temperature or temperature fluctuations may cause crystallization.

2 | SURFACE PREPARATION

The most suitable surface preparation would be a brush blast (shot blast) to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. The plastic sheet testing is also a good method to determine if any hydrostatic pressure problems exist that may later cause disbonding.

3 | PRODUCT MIXING

This product has a mix ratio of two parts A to one part B by volume (volumes approximate). Standard packages are in premeasured kits and should be mixed as supplied in the kit. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. After mixing, transfer the mixed material to another pail (the transfer pail) and again remix. The material in the transfer pail is now ready to be applied on the properly prepared surface. This product has a short usable pot life of about 15 minutes which is substantially shorter than the actual gel time for the product. Applying the product beyond the usable pot life can result in surface irregularities.

4 | PRIMING

A suitable primer should be used before applying this product. However, whether a primer is used or not, it is advisable to apply a test patch prior to using this product to determine if the adhesion characteristics are suitable for the service environment.

5 | PRODUCT APPLICATION

The mixed material can be applied by brush, serrated squeegee, or roller. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. The product is intended to be used as a topcoat to seal in the broadcasted paint chip or broadcasted quartz base for the final coat. Use an air release roller tool when needed. Improper mixing may result in product failure. It should be pointed out that relative humidity can have a dramatic influence on the curing characteristics. The product will dry quicker and have less working time when the relative humidity is higher while a lower relative humidity will lengthen the dry time and working time. If necessary, the addition of a pigment pack will also result in less working time. Mix only an amount that can be applied in the time allotted. Be sure that any tie-ins to previously applied material is also within the recommended time allotted for use as the previously applied material may begin to tack off in a short period of time.

6 | RECOAT OR TOPCOATING

This material can be applied in multiple layers to increase build but is intended to be used as the final topcoat to seal in the aggregate filled base system. If you opt to recoat or topcoat this product, you must first be sure that the coating has tacked off before recoating. Always remember that colder temperatures will require more cure time for the product before recoating or top coating can commence. Non-slip aggregate is available and recommended when coating pedestrian surfaces.

7 | CLEANUP

Use xylol.

8 | FLOOR CLEANING

Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

9 | RESTRICTIONS

Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

WARRANTY STATEMENT

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