

TECHNICAL DATA-EC356PAVOCX

Commercial & Industrial I: Standard Topcoat

ALIPHATIC MOISTURE CURED URETHANE

PRODUCT DESCRIPTION:

EC356PAVOCX is a one component moisture cured polyurethane (HDI based) floor coating/sealer that exhibits superior characteristics for abrasion resistance and chemical resistance. This product has good UV stability.

RECOMMENDED FOR:

Recommended for showrooms, warehouses, laboratories, cafeterias, and most indoor chemical exposure areas with regard to concrete or cement.

SOLIDS BY WEIGHT:

65% (+/- 3%)

SOLIDS BY VOLUME:

60% (+/- 3%)

VOLATILE ORGANIC CONTENT:

Less than 329 g/l

COLOR:

Clear (gardner 1)

RECOMMENDED FILM THICKNESS:

2-5 mils per coat wet thickness

COVERAGE PER GALLON:

320 to 800 square feet @ 2-5 mils wet thickness

PACKAGING INFORMATION:

1 gallon, 5 gallon and 55 gallon containers (volumes approximate.)

MIX RATIO:

One component product

SHELF LIFE:

3 months in unopened containers

FINISH CHARACTERISTICS:

High gloss (>70 at 60 degrees

ABRASION RESISTANCE:

Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 4.4 mg loss

IMPACT RESISTANCE:

Gardner Impact, direct & reverse= 100 in. lb. (passed)

HARDNESS:

2H

FLEXIBILITY:

No cracks on a 1/8" mandrel

ADHESION:

360 psi @ elcometer (concrete failure, no delamination) (applied over NP154 clear primer)

VISCOSITY:

Less than 200 cps (typical)

DOT CLASSIFICATION:

"FLAMMABLE LIQUID N.O.S, 3, UN1993, PGIII"

CURE SCHEDULE: (70°F)

pot life – (1 gallon volume).....3- 5 hours
tack free (dry to touch).....4-7 hours
recoat or topcoat.....9-13 hours
light foot traffic.....13-24 hours
full cure (heavy traffic).....3-5 days

APPLICATION TEMPERATURE:

50-90 degrees F with relative humidity between 60-90%

CHEMICAL RESISTANCE:

REAGENT	RATING
acetic acid 5%	C
xylene	E
MEK	B
methyl alcohol	B
gasoline	D
10% sodium hydroxide	E
50% sodium hydroxide	D
10% sulfuric	D
10% hydrochloric acid	D
20% nitric acid	C
ethylene glycol	D

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. NOTE: extensive chemical resistance information is available through your sales representative.

PRIMER:

Recommended EC154X clear

TOPCOAT:

None recommended

LIMITATIONS:

- *Clarity of color may be affected by high humidity, low temperatures, chemical exposure or exposure to lighting such as sodium vapor lights.
- *For best results use a high quality 3/8" nap roller.
- *Slab on grade requires moisture barrier.
- *Substrate temperature must be 5°F above dew point.
- *All new concrete must be cured for at least 30 days.
- *Use a suitable primer
- *If recoating after 24 hours, then the surface must be deglossed before the application.
- *The concrete and joints must be thoroughly dry prior to application.
- *Applying the product thicker than recommended may result in product failure.
- *Applications in direct sunlight, high humidity or high temperatures may cause surface curing before suitable air release has occurred.
- *Physical properties are typical values and not specifications.
- *See reverse side for application instructions.
- *See reverse side for limitations of our liability and warranty.