

TIGERSHELL™

Anti Microbial Topcoat



PRODUCT DESCRIPTION

Tigershell™ is a two component clear polyester aliphatic isocyanate polyurethane coating. This high performing Chemical Resistant Urethane (C.R.U.) coating provides exceptional resistance to many chemicals. Also, TIGERSHELL™ produces a tough, durable film with extreme abrasion and impact resistance. TIGERSHELL™ is ideal for both industrial and commercial applications.

PRODUCT FEATURES

1. Excellent chemical resistance.
2. High gloss.
3. Excellent weather resistance.
4. Highly resistant to abrasion and impact.
5. Non-chalking and non-yellowing.
6. Extremely hard, yet flexible.
7. Outstanding "wearing" properties.
8. Easy to clean.
9. Top coat for decorative floors, toppings, and pigmented epoxy concrete coatings.

PRODUCT USES

TIGERSHELL™ is ideal as a clear top coat for color quartz, vinyl/acrylic chip decorative floors, pigmented epoxy and polyurethane coatings, epoxy slurries/mortars, interior wood, brick, and warehouse floor coatings. TIGERSHELL™ is designed for application in factories, assembly plants, labs, institutions, garages, chemical processing plants, pulp and paper mills, power plants, dairies, and many other facilities.

TECHNICAL DATA

COLORS: Clear

CLEAN UP: SA-17 or S-74

GLOSS: High gloss

POT LIFE @ 75°F: 4 hours

VOLUME SOLIDS: 55 ± 2%

RECOAT TIME @ 75°F: 8 hours minimum
24 hours maximum

COVERAGE (Theoretical): 882 sq. Ft. @ 1.0 mil DFT

APPLICATION: Lambs Wool applicator, short nap roller, brush, spray.

RECOMMENDED DRY FILM THICKNESS:
2-3 dry mils per coat at 290-440 sq. ft. per gal.

APPLICATION TEMPERATURE: 45°F - 100°F

MIXING RATIO: 2:1 by volume
Mix 2 parts Base (Part A) to
1 part Hardener (Part B)

DRY SERVICE TEMPERATURE: 250°F

INDUCTON TIME: None

SHELF LIFE: 1 year

THINNING: None

PACKAGING: 15 Gal. or 1.5 Gal. Units

V.O.C: 3.25 LBSGL (389 GMS/L)

MIXING INSTRUCTIONS

Stir each component to a uniform consistency. Do not vary proportions. Tigershell™ is prepared by mixing 2 parts BASE (Part A) to 1 part HARDENER (Part B) with a slow speed explosion proof variable speed drill with a Jiffy mixer. Be sure material is thoroughly mixed together. Do not thin TIGERSHELL™. Use as supplied.

APPLICATION PROCEDURE

Tigershell™ Clear Polyurethane is a top coat and is normally not recommended directly over unprimed surfaces. Apply over appropriate primers, intermediate coats, or decorative floors. Surfaces must be free from all oil, grease, water, or other foreign matter. Surface should be dry and above 45°F and rising. Relative humidity should not exceed 85%. Tigershell™ is moisture sensitive during application and initial cure. Do not apply if surface temperature is within 5° of Dew Point. Not recommended on floors susceptible to hydrostatic pressure. Best methods of application are using lambs wool applicators or short nap rollers. TIGERSHELL™ can be brushed by using pure Chinese bristle brushes. For rolling, use a ¼" – 3/8" shed resistant phenolic core cover. Roll in the same direction, always keeping a wet edge. Do not over roll product. For safety and proper curing, proper ventilation is necessary throughout application and cure. Any foodstuff and furnishings in the application area should be removed prior to application. When using pigmented Intermediate Coats, be sure the batch numbers are all the same to provide a uniform base color. TIGERSHELL™ can be sprayed with an airless unit.



CURE TIME					
Temperature	Tack Free	Minimum Recoat	Maximum Recoat	Foot Traffic	Heavy/Vehicular Traffic
90°F	1-1/2 Hours	6 Hours	18 Hours	18 Hours	48 Hours
75°F	3 Hours	8 Hours	24 Hours	24 Hours	72 Hours
45°F	16 Hours	24 Hours	48 Hours	48 Hours	5 Days

CAUTIONS

TIGERSHELL™ is flammable. Keep away from all sources of ignition during mixing, application, and cure. Contains Aliphatic Polyisocyanates, N-Butyl Acetate, Xylene and PM Acetate. The HARDENER (Part B) and mixtures of BASE (Part A) with HARDENER (Part B) can cause eye and skin burns as well as allergic reactions. The use of goggles, fresh air masks or NIOSH approved respirators, protective skin cream and protective clothing is a recommended standard practice when spraying. This product is sold without warranty as to performance expressed or implied. Users are urged to make their own tests to determine the suitability for their particular conditions.

**SEE SAFETY DATA SHEET FOR FULL SAFETY PRECAUTIONS
FOR PROFESSIONAL AND INDUSTRIAL USE ONLY
KEEP AWAY FROM CHILDREN. NOT FOR RESIDENTIAL USE**