

Technical Data Sheet

Polyaspartic Topcoat PT 100

PT 100 Top Coat is a plural component, 100% Solids, Aliphatic Polyaspartic Polyurea specifically designed to be a chemical, impact, and wear resistant top coat. 100% UV stability and 100% solids makes this product is a great choice for both interior and exterior applications while reducing down time with a fast cure. It is specifically used as a clear coat in broadcast systems by the application of a squeegee, brush, or roller. Extended potlife and workability allows this material to flow and lay out smooth eliminating roller lines and thick spots.

BENEFITS AND FEATURES

- Foot traffic in 4-6 hours, 24 hour full return to service
- Easy to mix one to one ratio
- Smooth and glossy finish when fully cured
- Excellent chemical and abrasion resistance
- Extreme flexibility and elongation properties
- Versatile top coat for vertical and horizontal surfaces
- Low temperature cure
- Zero VOC's
- 100% UV stability
- Quick return to service times and zero odor

USES AND APPLICATIONS

- UV stable top coat
- Automotive shops
- Garages floors
- Dog kennels
- Industrial shop floors
- Basements
- Bathrooms
- Maintenance facilities
- Sidewalks and walkways
- Showrooms
- Patios and sidewalks
- Wastewater treatment facilities
- Anywhere extreme durability and UV resistance is important

PACKAGING

Available in 3 speeds for all climate conditions. Summer, Winter, and X-treme Heat.
 Available in 2 and 10 gallon kits.

PRODUCT PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	6200
Elongation	ASTM D412	100%
Compressive Strength	ASTM D695	9,600 psi
Tear Strength (PLI)	ASTM D1737	350
Flexibility (1/8 Mandrel)	ASTM D2794	Pass
Falling Sand A Resistance	ASTM D968	30
Gloss	ASTM D523	90+
Tabor Abrasion Mg Loss	ASTM D4060	30

PRODUCT CURE TIMES

Tack Free Time @ 70 Degrees	45-90 Mins
Hard Dry	2-4 Hours
Foot Traffic	4-6 Hours
Re Coat	8 Hours

ADHESION

ASTMD 4541 Elcometer	
Concrete Substrate Failure	500 PSI
Steel Delamination	1000 PSI
Wood Substrate Failure	500 PSI

RECOMMENDED COVERAGE RATES

Coverage rates based on 1600 square feet per gallon at 1 mil in thickness.

Over solid color	200-250 sq ft/ gal 7 Mils DFT
Over chip	130-160 sq ft/ gal 10 Mils DFT
Over quartz	75-120 sq ft/ gal 18 Mils DFT

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MIXING RATIO OF 1 PART A : 1 PART B

Always pre mix each side before use. Standard mix is 2 qt of part A and 2 qt part B. Mix with low speed drill for 2 minutes. Do not whip product or induce air as it will reduce pot life. Never mix more than 1 gallon at any time and mix smaller batches for cutting in edges or verticals. Apply with a brush, squeegee or 3/8" nap lint free roller. High humidity and high temperatures will reduce potlife and working time.

REDUCERS

PT 100 can be reduced with Acetone at no more than 15% of total mixed volume

STORAGE

All containers should be stored at 40° F to 95° F and be kept tightly sealed and out of direct sunlight. Shelf life of unopened containers is 12 months.

Chemical resistant chart

Acetic Acid 100%	RC	Muriatic Acid 10%	R
Acetone	C	NaCl/H ₂ O 10%	R
Benzene	C	Nitric Acid 20%	C
Brine saturated H ₂ O	R	Phosphoric Acid 10	R
Chlorinated H ₂ O	R	Phosphoric Acid 50	NR
Clorox(10%) H ₂ O	R	Potassium Hydroxide 10%	R
Diesel fuel	RC	Potassium Hydroxide 20%	R, Dis
Gasoline	RC	Skydrol	C
Hydrochloric Acid 20%	R	Sodium Hydroxide 25%	R
Hydrofluoric Acid 10%	RC	Sodium Hypchlorite 10%	R
Hydraulic fluid (oil)	RC	Sodium Bicarbonate	R
Isopropyl Alcohol	R	Sulfuric Acid 10%	R
Lactic Acid	RC	Sulfuric Acid >50%	RC
MEK	RC	Toluene	R
Methanol	R	Xylene	RC

Chemical Resistance: Chart Key

R=recommended/little or no visible damage
 RC=recommended conditional/some effect, swelling or discoloration
 C=Conditional/Cracking-wash within one hour of spillage to avoid affects
 NR=Not recommended
 Dis=discolorative

CLEAN UP

All tools should be cleaned with MEK or Acetone as soon as possible after application.

WARRENTY

Penntek Industrial Coatings warrants to the purchaser of its products that such products are free from manufacturing defect. Penntek Industrial Coatings does not warrant or guarantee the workmanship performed by any person or firm installing its products. Penntek Industrial Coatings obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which Penntek Industrial Coatings sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which Penntek Industrial Coatings examination shall disclose to Penntek Industrial Coatings satisfaction to be thus defective.

Please read material safety data before using product.

Disclaimer:

All statements and recommendations are based on contractor experience and is believe to be reliable. Penntek Industrial Coatings make no warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability whatsoever of a product for it's intended use shall be solely up to the User. Penntek Industrial Coatings reserves the right to investigate any misuse of products and information.