



TECHNICAL DATA SHEET

PT863 SINGLE COMPONENT POLYURETHANE

PT863 is a single component, liquid applied polyurethane waterproofing coating used as a basecoat in some of the Penntek Coatings deck systems. It provides 100% contact with the substrate to eliminate migratory water problems and is designed for demanding exterior applications.

BENEFITS AND FEATURES

- Single Component
- Excellent waterproofing abilities
- Ultra smooth and glossy finish when fully cured
- Excellent expansion and contraction
- Extreme adhesion to substrate
- Withstands extreme environmental conditions
- Zero VOC's
- Extra thick viscosity for added protection

USES AND APPLICATIONS

- Parking decks
- Patios
- Garages floors
- Sidewalks
- Restaurants
- Bathrooms
- Entry ways
- Hair salons
- Car dealerships

PRODUCT PHYSICAL PROPERTIES

Tensile Strength	ASTM D412	900
Compressive Strength	ASTM D695	13,000 psi
Impact Resistance	ASTM D2794	215 lbs.
Flexibility (1/8 Mandrel)	ASTM D2794	Pass
Ultimate Elongation	ASTMD412	500%+-
Tear Resistance	ASTMD1004	150 +-

PRODUCT CURE TIMES

Tack Free Time @ 70 Degrees	16-24 Hours
Hard Dry	24 Hours
Foot Traffic	16-24 Hours

Re Coat 24 Hours

ADHESION

ASTMD 4541 Elcometer
Concrete Substrate Failure 440 PSI

SURFACE PREPARATION

New concrete must have a 28 day cure and CSP 2-3, prior to coating. In the case of older concrete flooring, remove all surface oils, paint, dust and debris. Prior to coating, make sure the surface is clean, and passes the MVT. Fix any needed repairs using CR Mender or CR Patch and Coat before application.

RECOMMENDED COVERAGE RATES

Coverage rates based on 1600 square feet per gallon at 1 mil in thickness. Coverage rate will vary depending on application and substrate condition. Shot blasted floors will require more product than ground floors.

1/4" notched squeegee and backrolled with 3/8" nap roller
-40-50 sq ft/ gal 32 Mils DFT

MIXING RATIO: Single Component

Always pre mix product before use. Read tech data sheet for quantity and mixing application.

REDUCERS

PT863 should not reduced with any solvents.

PACKAGING

Available in 3 and 15 gallon kit. Available in 1 standard colors of light grey. Product is pretinted for easy application and color uniformity.

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. Once bucket has been opened, all material will need to be used within 2 days due to moisture reactivity.



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Chemical resistant chart

Acetic Acid 10%	R	Muriatic Acid 10%	R
Acetone	C	NaCl/H ₂ O 10%	R
Benzene	C	Nitric Acid 20%	NR
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	C	Potassium Hydroxide 20%	R, Dis
Gasoline	RC	Skydrol	RC
Hydrochloric Acid 20%	R	Sodium Hydroxide 25%	R
Hydrofluoric Acid 10%	NR	Sodium Hypochlorite 10%	R
Hydraulic fluid (oil)	RC	Sodium Bicarbonate	R
Isopropyl Alcohol	R	Sulfuric Acid 10%	R
Lactic Acid	R	Sulfuric Acid > 50%	RC
MEK	NR	Toluene	C
Methanol	R	1, 1,1-Trichlorethane	R
Mineral Spirits	RC	Trisodium Phosphate	R
Motor Oil	R	Vinegar/H ₂ O 5%	R
MTBE	C	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.

WARRANTY

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.