



**TURBO LINER
PRODUCTS INC.
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PT-550
*Urethane Polyurea
Elastomeric Membrane*

DESCRIPTION

PT-550 is a single component water catalyzed urethane polyurea, liquid applied elastomeric waterproof base membrane.

FEATURES

- ❖ Seamless Membrane
- ❖ Water Catalyzed
- ❖ Non-Gassing
- ❖ Fast Curing

TYPICAL USES

- ❖ Parking Decks
- ❖ Pedestrian Decks
- ❖ Helicopter Pads
- ❖ Ship Decks
- ❖ Under Tile
- ❖ Concrete
- ❖ Plywood
- ❖ Masonry
- ❖ Metal

COLOR

Grey

PACKAGING

5 gallon (19 liter) pail with 1 vial of Catalyst

SUBSTRATES

See general guidelines.

JOINTS, CRACKS AND FLASHINGS

See general guidelines.

SLOPING AND CONCRETE REPAIRS

Concrete repairs can be made prior to coating with a sand or rubber slurry mixture of 1 part mixed PT-550 (see mixing instructions below) to 1 part clean sand or rubber. Light foot traffic is allowed in approximately 2 hours depending on weather conditions.

PT-550 can be thickened with rubber granules (tire rubber) by no more than 10% by volume.

COVERAGE RATE

One gallon of PT-550 mixed with one quart of water will provide 14 mils of coverage over 100 sq. ft.

Plywood or uneven surfaces may require additional material to achieve the same mil thickness.

MIXING

Before application, mix PT-550 using a mechanical mixer (Jiffy Mixer) at slow speeds. Add PT-550 Catalyst and mix thoroughly until a homogenous mixture is obtained. Use care not to allow the entrapment of air into the mixture.

Mix PT-550 with water (water must be added) at a ratio of one quart of water to one gallon of PT-550. This will yield 14 gallon

TECHNICAL DATA (For unmixed PT-550)

Hardness, ASTM D-2240	70 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624	210 ± 20 pli
	36.8 ± 3.5 kN/m
Tensile Strength, ASTM D-412	1100 ± 100 psi
	7.58 ± 0.7 Mpa
Ultimate Elongation, ASTM D-412	500 ± 50%
Total Solids by Weight, ASTM D-2369	82%
Total Solids by Volume, ASTM, D-2697	76%
Viscosity	2000 ± 1000 cps
Density	10.4 lbs/gal
Volatiles Organic Compounds, ASTM D-2369-81	1.71 lbs/gal
	205 gm/liter

of membrane. The mixing ratio is 4 parts PT-550 to 1 part of water (4:1).

APPLICATION

Concrete, metal and old plywood surfaces should be primed.

For best results use a squeegee or a notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air, which may result in bubbles.

Apply PT-550 evenly over the entire deck. Application should be continuous to ensure a smooth and even coat.

Apply Polyprime 172 to a PT-550 surface which is more than 16 hours old to achieve the best intercoat adhesion.

An aggregate of 16-20 or 16-30 EPDM rubber granules may be broadcast into the PT-550 membrane at a rate of 10 lbs. per 100 sq. ft. to provide a slip resistant surface. The amount of rubber used will vary depending on skid resistance requirements.

A sand aggregate may also be used to provide slip resistance. The amount of sand used will vary depending on skid resistance requirements.

CURING

Allow each coat to cure a minimum of 2-4 hours before proceeding with subsequent coats.

EQUIPMENT CLEANUP

Equipment should be cleaned with environmentally safe solvent immediately after use.

STORAGE

PT-550 has a shelf life of six (6) months from date of manufacture in original, factory sealed containers.

LIMITATIONS

Surfaces must be dry, clean and free of foreign matter.

Keep unopened containers from freezing.

Do not apply if temperature is below 50°F (10°C) or above 90°F (32.2°C).

Surface may be slippery when wet.

PT-550 is not UV stable and must have a topcoat applied.

PT-550 is a fast curing material and must be applied immediately after mixing with water.

Containers that have been opened must be used as soon as possible.

WARNING

This product contains Isocyanates and Solvents.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Turbo Products representative or visit our website for current technical data and instructions.

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