



**Transpo Industries, Inc.** manufactures a variety of innovative products and materials designed for improving road safety and bridge preservation. The company's reputation as an expert in rehabilitation, preservation and safety has made Transpo a leading supplier since 1968.

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# T-18 Thin Overlay

## LIGHTWEIGHT WATERPROOF MMA POLYMER CONCRETE

### Fast Curing Thin Overlay

T-18 methyl methacrylate (MMA) polymer concrete is a fast-curing, thin, slurry overlay. It is a pre-packaged system ideal for concrete and steel bridge decks. T-18 is comprised of a blended powder filler that forms a slurry when mixed with the polymer resin. Aggregate is broadcast into the slurry to form a wearing coarse before opening to traffic.



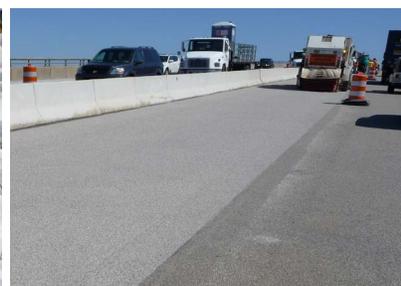
Transpo's T-18 is designed to be applied at 3/8" thickness which eliminates the need to relocate joints, end dams or drain structures. Installation of T-18 will add less than three to four pounds of dead load per square foot of surface area which is an important consideration for rehabilitation of older structures.

The short cure time of the system assures a minimum downtime and a quick restoration of service. The broadcast aggregate provides a highly durable, skid resistant surface that can be used for vehicular and pedestrian applications.

PHYSICAL PROPERTIES*		
Properties	Unit of Measure	Test
Compressive Strength	2,500 psi max	ASTM D695
Flexural Strength	1,600 psi max	ASTM D790
Coefficient/Therm. Expansion	$6.2 \times 10^{-5}/^{\circ}\text{F}$	ASTM D531
Tensile Strength	2,800 psi max	ASTM D638 Type I
Tensile Adhesion	>250psi	ASTM C1583
Water Absorption	<0.1%	ASTM D570

\* To be used as general guidelines only

T-18's rapid cure time reduces downtime.



**SAFER TRANSPORTATION THROUGH INNOVATION**

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POLYMER CONCRETE

## Features and Advantages

- Fast Cure (Approximately one hour)
- Wide Application Temperature Range (14° - 90°F)
- Easy Application
- Skid Resistant
- High Early Bond Strength
- High Elasticity
- Chemical Resistant
- Waterproof
- Steel and Concrete Compatible

## Applications

Transpo T-18 overlay can be used as a wearing surface on various types of structures:

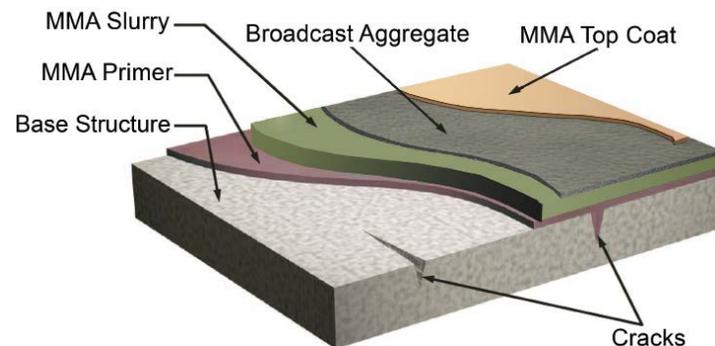
- Concrete Bridge Decks
- Steel Orthotropic Bridge Decks
- Parking Garages
- Ramps and Sidewalks

Transpo® T-18 is applied using a single application slurry method. It is easy to handle and does not require any specialized installation equipment.

## Application Process

Surfaces receiving T-18 must be thoroughly cleaned and free of all dirt, rust, grease and contaminants that might interfere with the proper adhesion of the overlay. Sandblasting or shotblasting is recommended.

T-18 Primer is applied using rollers or squeegees, followed by a light broadcast of dry silica sand. Once the prime coat has dried, T-18 Slurry is applied to the specified thickness, followed by a broadcast of wear-resistant aggregate. T-18 Top Coat finishes the overlay, by locking in the wear-resistant aggregate surface.



Need More Information?

[WWW.TRANSPO.COM/MATERIALS](http://WWW.TRANSPO.COM/MATERIALS)

Contact the materials experts at Transpo to find out more about the various products we offer. If you need advice on how to install the product, the professionals at Transpo will guide you through the process. Project specific questions? We can assist you in creating a cost-effective, tailored solution for your project.

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