

2024
Highway
Maintenance
Conference

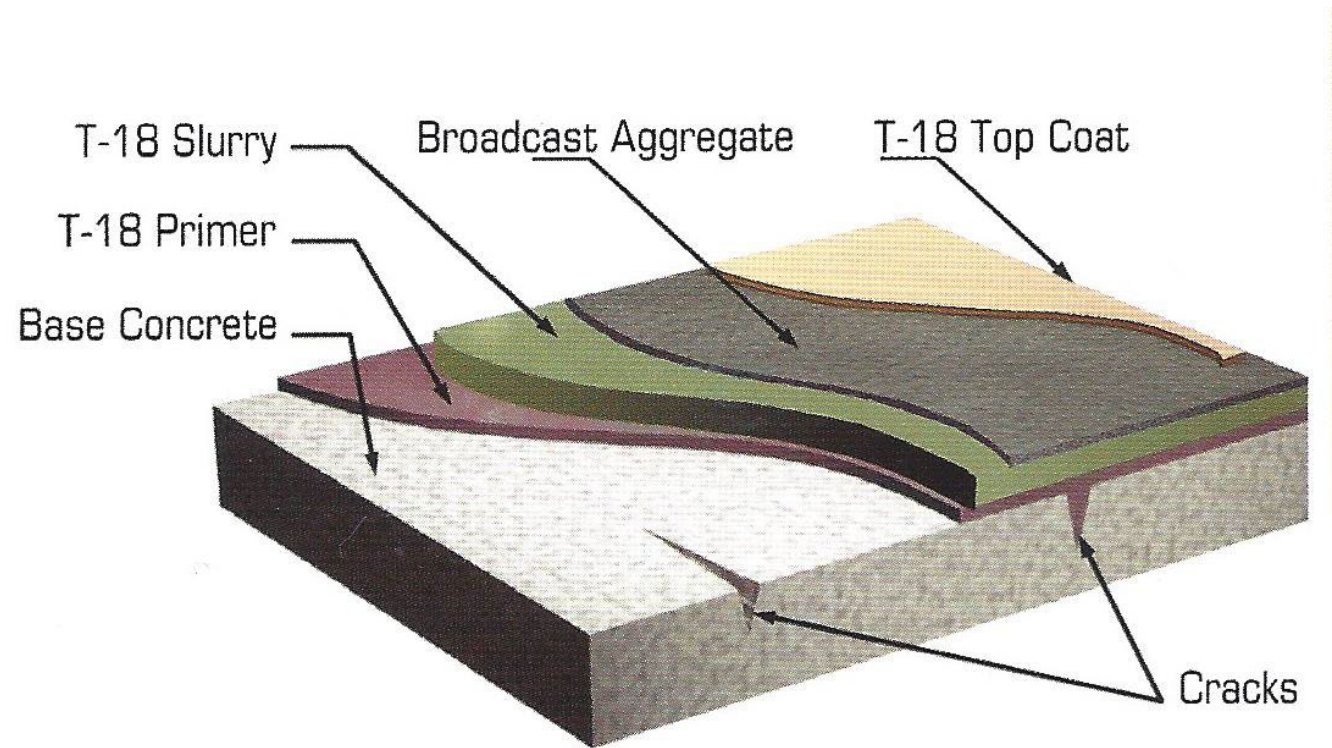


BRIDGE MAINTENANCE WORKSHOP

MAY 2, 2024
MT. PLEASANT, MI

Photo: Brandon Boatman

TRANSPO T-18 MMA POLYMER OVERLAY SYSTEM



TRANSPPO T-18 MICHIGAN INSTALLATIONS

- **St. Clair County Road Commission**
 - 2018 Masters Road Bridge (Wales Twp.)
 - 2018 Cove Road Bridge (Wales Twp.)
- **Monroe County Road Commission**
 - 2018 Two Petersburg Rd. Bridges (Dundee Twp.)
- **Clare County Road Commission**
 - 2021 BuRte 127 Bridge (Clare)

MICHIGAN DOT INSTALLATION OF TRANSPOR ON FOX RIVER BRIDGE October 2023



FOX RIVER BRIDGE BACKGROUND

- M-28 over East Branch of Fox River (Luce County/east of Seney)
- One span 50-ft (Length) X 56-ft (Width) – 2,800 sf
- 2-Lane PCC deck over box girders
- Two epoxy overlays were placed and both delaminated
- MDOT Bridge Crews ground deck in Fall 2022
- MDOT Bridge Crews installed T-18 Overlay System Fall 2023



TRANSPO¹⁸ INSTALLATION COMPONENTS

Primer:

1-gal T18 PRIMER + BPO Hardener covers 80 sq ft

Slurry:

50-lb bag T18 POWDER + 1-gal T18 RESIN + BPO covers 27 sq ft

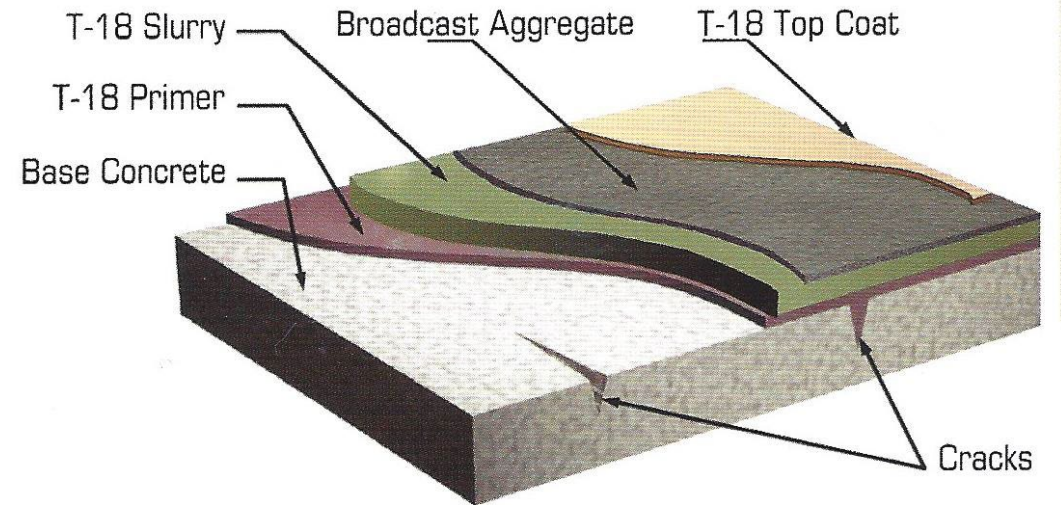
Broadcast Aggregate:

2-lbs per sq ft

Top Coat:

1-gal T18 TOP COAT+ BPO covers 40 sq ft

T-18 COMPONENTS



TRANSPPO[®] REPAIR OF EXISTING DECK

Patching & Joint Repair with Transpo T17 Polymer Concrete



TRANSPOT PREP

Shot Blasting & Stripe Grinding

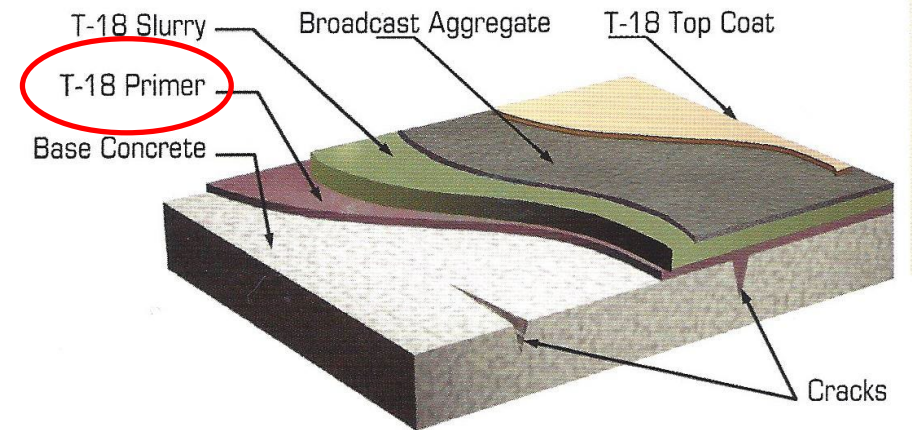


TRANSPPO18 PRIMER

T-18 PRIMER Application

STEP 1 Primer:

1-gal T18 PRIMER + BPO Hardener covers 80 sq ft



TRANSPPO APPLICATION OF SLURRY

T-18 Mixing Slurry

STEP 02 Slurry:

50-lb bag T18 POWDER + 2 gal T18 RESIN + BPO covers 27 sq ft

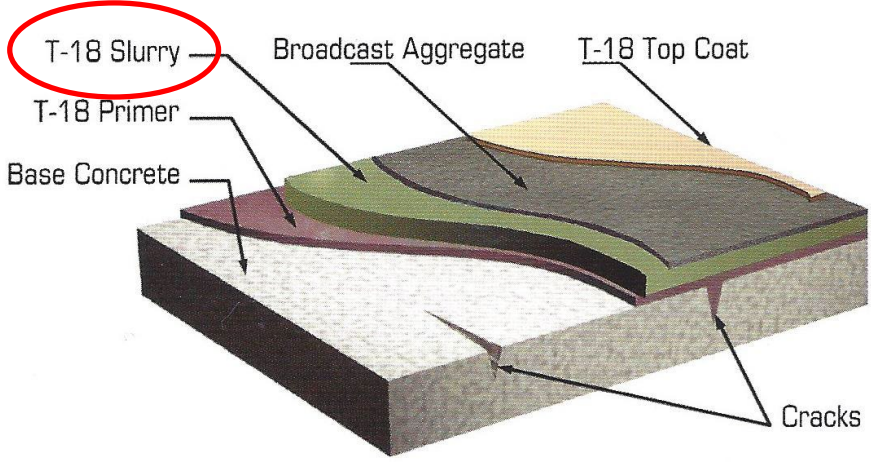


TRANSPPO APPLICATION OF SLURRY

STEP 02 Slurry:

T-18 Slurry Application with Gauge Rake

50-lb bag T18 POWDER + gal T18 RESIN + BPO covers 27 sq ft



TRANSPON APPLICATION OF SLURRY

STEP 02 Slurry:

50-lb bag T18 POWDER + 2 gal T18 RESIN + BPO covers 27 sq ft

Spike Roller after Gauge Rake

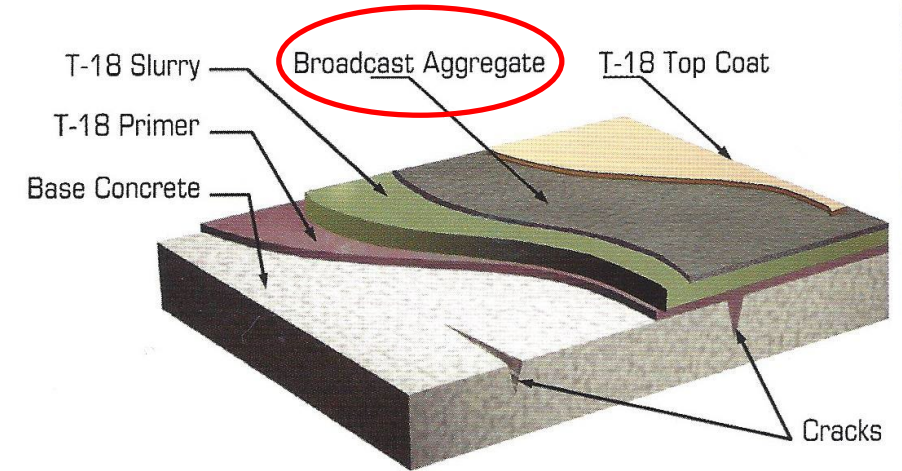


TRANSPPO18 APPLICATION OF SLURRY

Aggregate Broadcast

STEP 02 Slurry:

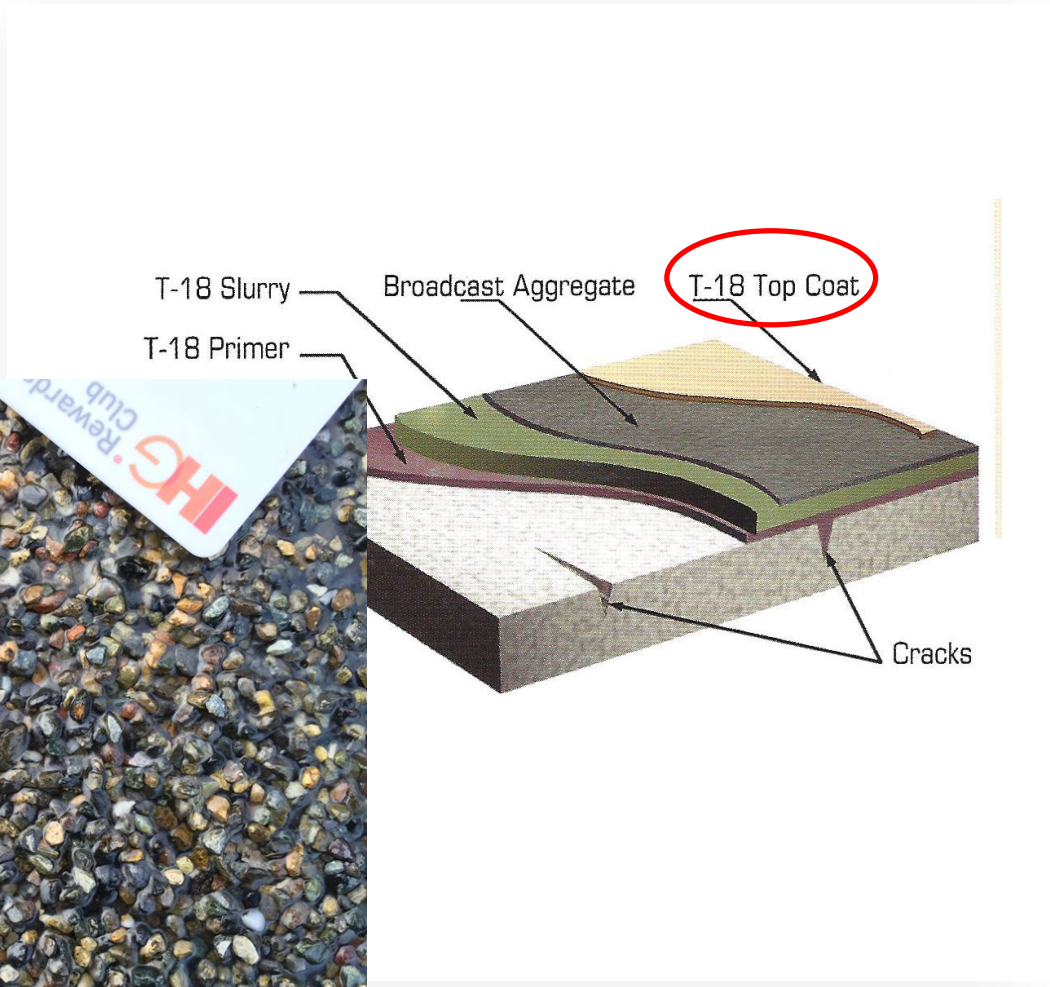
50-lb bag T18 POWDER + 2 gal T18 RESIN + BPO covers 27 sq ft



TRANSPO18 APPLICATION OF TOP COAT

STEP 03 Top Coat:
1gal T18 TOP COAT+ BPO covers 40 sq ft

Application of T18 Top Coat



MICHIGAN DOT INSTALLATION OF TRANSPO18 ON FOX RIVER BRIDGE



MARCH 2024



THANK YOU!

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