



Transpo manufactures high performance products designed to improve road safety and bridge construction and preservation. With decades of expertise, we are committed to providing reliable solutions that meet the evolving needs of infrastructure, ensuring safer and more efficient transportation systems.

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T-17 COLD WEATHER POLYMER CONCRETE

Cold Weather Polymer Concrete

Transpo T-17 Cold Weather (CW) is a 100% reactive, rapid setting, solvent-free methyl methacrylate (MMA) polymer concrete system that can be used as a repair for partial or full depth patching, grouting, and structural applications. The system can be used on horizontal concrete surfaces, on grade, above and below grade.

T-17 CW has a cold weather additive for applications below -7°C (it is not recommended for use above 0°C). The material can be applied at a minimum 13mm thickness. For deeper applications, T-17 CW should be extended with a specified aggregate. Typical concrete finishing tools can be used to place and finish T-17 CW polymer concrete.

Features and Advantages

- Wide Application Temperature below 0°C
- Fast Setting 45 min at -7°C or 90 min. at -20°C
- High Early Strength - Sets in 2 hours to 40 MPa Strength
- Strong Chemical Bond (no cold joints)
- Chemical and UV Light Resistant
- Freeze - Thaw Resistant
- Waterproof
- No Special Tools or Equipment Needed
- Low Exotherm - No Magnesium Phosphate
- Low Shrinkage



Partial or full depth applications can be accomplished in a single pour, restoring the integrity of deteriorated PCC structures.

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Application Process

T-17 CW can be used as a neat mortar for grouting or thin applications (13mm deep maximum). It can also be filled with specified aggregate and used for installations of 300mm or more in a single pour.

T-17 CW methyl methacrylate primer should be used to seal existing concrete surface and increase the bond strength of the T-17 CW to portland cement concrete (PCC) substrates.

Applications

Because of its high strength, chemical resistance, and rapid cure, T-17 CW can be used in repairs and rehabilitation in various applications including:

- Concrete Bridge and Parking Deck Repair
- Concrete Spall Repair
- Precast Bridge Deck Closure Pores
- Grouting
- Expansion Joint Headers
- Structural Bearing Pads
- Load Transfer Devices
- Concrete Airport Runway Repair



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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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