



High Performance Grout's Cold Weather Performance is Thrilling



A major thrill ride generates millions of dollars in revenue each month at an amusement park like Cedar Point. So when it became evident that cold winter weather would delay grouting of critical base plates and shear sockets under support columns for their new GateKeeper Rollercoaster by several months, it was more than an inconvenience...it was potentially very expensive!

Fortunately, contractor A.A. Boos & Sons had the foresight to contact The Chas. E. Phipps Co.

and ask for some ideas on how to meet the March 22nd construction deadline. Phipps scoured the available options from domestic and overseas sources, and found the answer in its own backyard... ChemMasters' Polytops™ mMa Grout.

ChemMasters supplies answers to technically challenging problems. Proudly American owned and American made by American Labor. We're not just bringing jobs back to America...we never left!



"ChemMasters' technical department was essential to understanding this unique application, recommending a product, and demonstrating its use and installation for Cedar Point."

Brad Chevalier, The Chas. E. Phipps Co.

Job Description: Exterior installation during winter months demanded a high performance grout with low temperature cure characteristics. Polytops™ mMa Grout exceeded the rigorous design specifications, even when installed in temperatures down to 0°F (-18°C).

Jobsite: Cedar Point
Sandusky, OH

Contractors: A.A. Boos & Sons

Distributor: The Chas. E. Phipps Co.

Product: ChemMasters
Polytops™ mMa Grout





Customer is Thrilled With High Performance Grout's Cold Weather Performance

The cold winter weather in northern Ohio didn't stop A.A. Boos & Sons from placing over 1,200 ft³ of mission-critical grout for the new GateKeeper roller coaster at Cedar Point. Polytops™ mMa Grout was placed under each support column base plate and shear pocket in temperatures down to 0°F (-18°C), keeping work going throughout the winter and meeting the March 22nd construction deadline.

ChemMasters also provided technical assistance and conducted a test installation, proving Polytops mMa Grout meets rigorous performance specifications, even when applied in demanding low-temperature conditions.



Polytops™ mMa Grout

Polytops mMa Grout is a three component methyl methacrylate grout that rapidly develops high strength, even in sub-freezing temperatures. When properly mixed and installed, these components form a very fluid, durable polymer concrete with very high bond, compressive and flexural strengths, excellent freeze/thaw characteristics and chemical resistance.

Uses

Polytops™ mMa Grout is a methyl methacrylate grout designed for applications where high strength, vibration and chemical resistance, and extremely low temperature installation is required.

When grouting load bearing surfaces on bridges, columns and machinery, Polytops mMa Grout exhibits maximum surface contact, and superior resistance to freeze/thaw and thermal cycling. Polytops mMa Grout has excellent resistance to both acids and alkalies, and exceptional UV stability.

Advantages

- Wide range of installation temperatures – from 0° to 110°F (-12° to 30°C)
- Full bearing of base plates
- Self leveling for ease of placement
- Cures rapidly for emergency grouting applications
- High compressive, tensile and flexural strengths
- Withstands vigorous thermal cycling, UV exposure, acids and alkalies



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