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Qualified Products List : Concrete Bonding Agents, December 2002

Maine Department of Transportation

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Maine Department of Transportation Qualified Products List
CONCRETE BONDING AGENTS
Meeting Standard Specifications Revision of December 2002, Sections 502, 518

TWO PART EPOXY RESIN ADHESIVES FOR BONDING FRESH TO HARDENED CONCRETE				
Manufacturer Name	Product Name	Open Time (appx.)	Surface Temperature Range	Viscosity Rating
Conspec Kansas City, KS - (800) 348-7351	Spec-Bond 100	temperature & humidity dependent	40°F to > 60°F	Medium
Conspec Kansas City, KS - (800) 348-7351	Spec-Bond 200	temperature & humidity dependent	40°F to > 60°F	Non-sag
Dayton Superior Corporation Miamisbug, OH - (888) 977-9600	Slow Set Bonding Agent	8 hours @ 73°	40°F to > 60°F	Medium
The Euclid Chemical Company Cleveland, OH - (800) 321-7628	Dural LPL MV	6 hours @ 75°F	> 70°F	Medium
Kaufman Products, Inc. Baltimore, MD - (800) 637-6372	SurePoxy HMLV	3.5 hours @ 72°F	> 60°F	Low
Kaufman Products, Inc. Baltimore, MD - (800) 637-6372	SurePoxy HMLV, Class B	20 hours @ 42°F	40°F to 60°F	Low
Sika Corporation Lyndhurst, NJ - (800) 933-7452	Sikadur 32, Hi-Mod	4.5 hours @ 73°F	40°F min.	Medium
Sika Corporation Lyndhurst, NJ - (800) 933-7452	Sikadur 32, Hi-Mod LPL	6 hours @ 73°F	40°F min.	Medium
Sika Corporation Lyndhurst, NJ - (800) 933-7452	Sikadur 31, Hi-Mod Gel LPL (1:1 Mix Ratio)	6 hours @ 73°F	40°F min.	Non-sag

THREE PART EPOXY-MODIFIED CEMENTITIOUS BONDING AGENT				
Manufacturer Name	Product Name	Open Time (appx.)	Surface Temperature Range	Application Method
Sika Corporation Lyndhurst, NJ - (800) 933-7452	Sika Armatec® 110 EpoCem®	16 hours maximum @ 50°-64°F	40°F	Spray, brush or roller
The Euclid Chemical Company Cleveland, OH - (800) 321-7628	Duralprep A.C.	24 hours maximum @ 75°F	>45°F	Spray or brush

NOTE: Open times (contact times) are temperature & humidity dependent and may vary greatly from the times shown on this list. Those times are shown here primarily for comparison. Please contact the manufacturer directly for a more precise estimate based on actual field conditions.

The normal practice is to use these products in applications where it is not practical to use a coating of bonding grout.

Care should be given in selecting these products with regard to viscosity, surface and ambient temperature, and open times (before concrete placement).

Two part epoxy resin adhesives for use as bonding agents shall meet AASHTO M 235 (ASTM C 881), Type V. See product acceptance criteria for complete MaineDOT product requirements.

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PLEASE NOTE: Products often times may have multiple uses. Products appearing on this particular list are expressly pre-qualified for this category of usage only. Do not use these products for any other application unless this product is noted on other lists.

Sales Representatives seeking approval of a new product should review the Department's Product Acceptance Criteria for Epoxy Resin Bonding Agents prior to submitting their product's Technical Data Sheet, Instructions for Installation, Material Safety Data Sheet, and a completed copy of the MaineDOT Preliminary Information for Product Evaluation Form.

If you are experiencing difficulties reading or printing this page, or any page on the Qualified Products List website, please contact the Product Evaluation Coordinator at 207-624-3268.