1061 Transport Drive, Valparaiso, IN 46383
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TD.420 – TECHNICAL DATA: CPR-1000™

Revised: 9.18.08

Product Name: CPR-1000™ - Concentrated Polymer Resin
Product Class: Hybridized Co-Polymer Emulsion
Description: A hybrid copolymer latex resin blend (proprietary formula)

Use Applications:

- Cement modifier for thin surface repairs and resurfacing.
- Cement modifier for thin architectural/decorative overlays, included but not limited to: Splatter texture/knockdown applications, base/skim coats, broom finishes, thin stamped overlays, seamless interior flooring, stenciled cement and more.
- Cement modifier for repair and patching mixes.
- Cement modifier for regrading.
- Cement modifier for underlayments.
- Concrete bonding agent for pouring new concrete to an existing one.
- Modifier for mortars, concrete countertops, precast concrete, tile grouts, stucco and plaster mixes.
- Primer for vertical overlay applications.

Key Features:

- Better overall performance than other resins, modifiers and polymers, including: Acrylic, polyvinyl acetate, VAE, styrene and silicone.
- Provides a permanent bond (with correct substrate preparation).
- Increased levels of water resistance, flexural and tensile strengths.
- Increased texturing capabilities.
- Exceptionally long pot life.
- Increase versatility and application range.

Product Properties:

- Appearance - White Thick Liquid (Optional Light Gray)
- Smell - Faint Ester (School Glue)
- Nonvolatile Content % - 54% ± 1%
- GT Temperature - Minus 1 degree Celsius
- Viscosity @ 25 degrees Celsius @ 20 rpm - 250 to 750
- pH – 6 to 7
- Flammability - N/A
- Density, Lb. Per gal. - 8.7 to 9
- Weight, Lb. Per gal. - 9 to 9.09
- Application temperature - 40° - 110° F
- Cured - 28 days (initial 3-7 dry days)
- Resistance to moisture deterioration - Excellent
- Resistance to weather, including UV and freeze/thaw cycles - Excellent

Available Packaging:

- Stock - 5 gallon pails (white in color) or 55 gallon drums
- Special Order - Inquire

Suggested Storage:

- Do not allow to freeze
- Shelf Life - 6 months to a year

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Test Data:

The following tests were performed with CPR-1000™. The specific application was a two base/skim coats with the first coat being dry for 12 hours prior to the application of the second coat. Mix design was determined from Elite Crete Systems proprietary mixing instructions.

• Flexural:	7 days	994 psi
	28 days	1435 psi
• Tensile:	7 days	342 psi
	28 days	713 psi
• Compressive:	7 days	3,750 psi
	28 days	5,872 psi
• Shear Bond:	7 days	335 psi
	28 days	577 psi
• Density:	7 days	1.17 g/cm3
	28 days	1.89 g/cm3
• Impact Resistance:	7 days	16 inch/lbs.
	28 days	28 inch/lbs.
• Abrasion Loss:	28 days	.17% loss
• Cohesive:	7 days	48 psi
	28 days	95 psi

Different application thickness' and uses were tested for specific applications, but are not represented in the Test Data due to variations in mix design or specific application techniques and uses which changes the test results considerably. Variables include; density, water ratio, polymer ratio, aggregate size, application thickness, aggregate ratio to cement, aggregate composition, application tool/technique, drying temperature, environment, curing temperature & humidity.

These test results reported are not provided as an enticement or for marketing value, but more to help clarify the tremendous differences when tested exactly the same using Portland cement in modified mixes. Other companies offer false information concerning the exact application in which their products were actually tested. All of our products should be tested in accordance with user's exact specifications.

Testing was performed by an independent testing firm.

Material Safety Data Sheet is available on this and all products. For your safety, read and understand the MSDS prior to handling, transporting, using or storing this and all products.