



ChemMasters

CRETELOX

HIGH SOLIDS ACRYLIC LATEX
BONDING AGENT AND ADMIXTURE

SPECIALTY CONSTRUCTION PRODUCTS

P R O D U C T D A T A

DESCRIPTION

Cretelox is a non-reemulsifiable, acrylic latex bonding agent and admixture. This high performance polymer is formulated as a bonding agent for cementitious mortars and toppings and as an admixture to site mixed or prepackaged cement based mortars.

USES

- Interior or exterior, above or below grade bonding agent
- Performance enhancing admixture for stucco, cement plaster, cementitious toppings and overlays, prepackaged and site mixed mortars
- Cyclically damp environments, food processing plants, water storage facilities, swimming pools
- Polymer modified concrete (PMC) for bridge decks and white toppings

ADVANTAGES

- Forms permanent, positive chemical and mechanical bond to sound surfaces
- May be used alone or as a slurry bond coat
- As an admixture, increases abrasion and impact resistance, early and ultimate flexural, tensile and compressive strengths
- Improves chemical resistance to fertilizers, acids, alkalis
- Aids in controlling shrinkage cracking
- Reduces permeability for excellent freeze-thaw resistance
- Deepens and enhances colored mortars, resists fading and is non-yellowing under UV exposure
- Higher quality polymer has no strong ammonia odor
- Significantly prohibits chloride ion penetration increasing corrosion resistance of reinforcing steel

TECHNICAL DATA

- Meets the requirements of ASTM C-1059, Type II, Standard Specification for Latex Agents for Bonding Fresh to Hardened Concrete when tested in accordance with ASTM C-1042.

PHYSICAL PROPERTIES OF MODIFIED PORTLAND CEMENT MORTAR

Test	Test Method	% Improvement	
		Moist	Dry
<i>Curing Method</i>			
Shear Bond Strength	ASTM C-1042	389%	1600%
Flexural Strength	ASTM C-348	127%	222%
Tensile Strength	ASTM C-190	21%	215%
Tensile Strength	ASTM C-190	121%	215%
Compressive Strength	ASTM C-109	94%	228%
Abrasion Resistance	Taber	298%	1400%

Comparisons are 3:1 sand/cement mortar cured 28 days. Cretelox modified mortar was dry cured.

PACKAGING

Cretelox is packaged in 55 U.S. gallon /208 Liter drums and 5 gallon/18.9 Liter pails, shipped 36 pails per pallet, shrink wrapped and in 1 gallon/3.8 liter plastic jugs, packed 4 per case.

ESTIMATING GUIDE

Coverage is affected by texture or porosity of substrate.

	Ft. ² /gallon	M ² /Liter
Bonding Agent	200-250	5-6
Slurry Bond Coat	400-500	10-12
Admixture	normally 30% to 50% of standard water requirement	

DIRECTIONS

SURFACE PREPARATION: Substrate to be repaired or topped must be clean and free of all dust, dirt, oil, grease, curing or sealing compounds or other contaminants that may interfere with proper adhesion. If ambient temperatures are above freezing, saturate prepared surface with water. Remove any puddles.



ChemMasters

An American Owned & Operated Company
300 EDWARDS STREET • MADISON, OHIO 44057-3112
(440) 428-2105 • FAX (440) 428-7091 • ORDER LINE: (800) 486-7866

Revised 5/1/99

BA-4

MIXING: Stir Cretelox before using. If Cretelox is to be diluted for use as an admixture, blend Cretelox with water then add dry mix.

Slurry bond coat requires:
2 gal./7.6 L water 2 gal./7.6 L Cretelox
94 lb. 42.6 Kg cement 50 lb./22.7 Kg sand
or
50% water/50% Cretelox and measured amount of dry, packaged mortar to achieve batter consistency

As admixture in packaged or site mix mortars, use Cretelox to replace 50% to 100% of the normal water required. Cement based masonry coatings or other thin mortars and toppings may be mixed with Cretelox alone for optimum adhesion and durability.

Do not mix more material than can be placed in 20 minutes. Do not over mix as this results in excessive air entrainment and loss of strength. Particular care should be taken when power mixing, 1-2 minutes maximum.

BONDING AGENT APPLICATION: Apply Cretelox at a rate of 200-250 Ft.² per gallon/5-6 M² per liter with a garden type sprayer or solvent resistant roller. Place fresh concrete or mortar while Cretelox is wet.

BONDING SLURRY APPLICATION: (Preferred method) Slurry should have the consistency of pancake batter. Apply to substrate with a stiff bristle brush, working bond coat into voids, cracks and corners. Place repair mortar or topping while slurry is wet or damp.

HORIZONTAL REPAIRS: Replace 50% of the normal water with Cretelox. Mix and place as usual. Over working or over trowelling surface may cause blisters or peeling.

VERTICAL AND OVERHEAD REPAIRS: Replace 50%-75% of the normal water with Cretelox. Place as usual. Best results are obtained if repairs are made in 0.5 inch/1.25 cm lifts. A stiff mix is easier to place.

CEMENT PLASTER CEILINGS: Use Cretelox alone. Build up in thin coats of .25 inch/.62 cm but do not exceed 0.5 inch/1.25 cm in depth.

CURING: Cretelox modified concrete and mortar is self curing under normal conditions. Do not use curing compounds on Cretelox modified mortars or toppings. In extremely hot, dry or windy environments, keep repair area damp with wet burlap for 24 hours.

Cretelox requires at least 3 consecutive days of normal drying conditions during the curing cycle. If Cretelox is used in damp or confined areas, supplemental ventilation may be necessary to facilitate full curing and drying.

STORAGE

Store tightly sealed containers at room temperature. Keep from freezing. If Cretelox freezes, allow it to thaw normally at room temperature. Shelf life of properly stored material is one year from date of manufacture.

LIMITATIONS

- Do not use air entraining admixtures or cements or other admixtures.
- Do not apply when the surface or air temperature is, or is expected to go, below 45°F./6°C. Do not apply to frozen or frost filled surfaces.
- Overworking or over trowelling surface may cause blisters or delaminations.
- Do not seal surface with solvent based products. Organic solvents of high solvency power, xylene, toluene, lacquer thinner, etc., will soften surface if spills are not removed quickly.

CAUTIONS

May cause skin, eye and respiratory tract irritation. Do not take internally. Keep out of reach of children.

All label precautions and MSDS must be fully understood before using this product

This Product is Formulated and Labeled for Industrial and Commercial Use Only

FOR BEST RESULTS AND SAFEST USAGE, USER IS SPECIFICALLY DIRECTED TO CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET AND PACKAGE LABEL FOR THIS PRODUCT

We warrant our products to meet our published specifications and to be free from defects in materials and workmanship to the acceptable quality levels defined in these specifications. If acceptable quality levels are not specified, the acceptable quality levels will be those normally supplied by us for the product. We make no guarantee of the results to be obtained from the use of our products. The determination as to the adaptability of any of our products to the specific needs of the Buyer is solely Buyer's prerogative and responsibility. We are glad to offer suggestions on the use of our products. Nevertheless, there are no warranties given except such expresses warranties offered in connection with the sale of a particular product. Our liability shall be limited to replacement of, or refund of an amount not to exceed the purchase price attributed to, the goods as to which such claim is made. Our selection of one of these alternatives shall be Buyer's exclusive remedy. IN NO CASE SHALL WE BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, GUARANTEES, CO-CONDITIONS AND REPRESENTATIONS, EITHER EXPRESSED OR IMPLIED, WHETHER ARISING UNDER ANY STATUTE, COMMON LAW, USAGE OR TRADE, COURSE OF DEALING OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.