

ACRY-LOK™

Acrylic Polymer, Bond-Enhancing Admixture

DESCRIPTION

ACRY-LOK is a high solids, acrylic polymer latex bonding agent and admixture. This milky white liquid is non-yellowing in Portland cement mortars and concrete. When used as an admixture, ACRY-LOK provides increased abrasion and crack resistance, flexural strength, and freeze/thaw tolerance. Permeability is also reduced, providing added protection from chloride intrusion.

As a bonding agent, ACRY-LOK enhances the bond between existing concrete and placement of the fresh repair. It will not re-emulsify.

USES

Since ACRY-LOK will not re-emulsify, concrete repairs/mortars fortified with ACRY-LOK are ideal for interior, exterior, and moisture-related applications. Typical areas that would benefit from properties of this product include toppings, mortars, grouts, and vertical, horizontal, and overhead patching. For enhanced bonding, use ACRY-LOK as an additive in bond coats. Only use ACRY-LOK neat for bonding repairs or very small bonding applications.

SPECIFICATIONS

- ASTM C 1059-91, Type II (Non-Re-emulsifiable)

PACKAGING

1 Gallon (3.79 Liters) Unit (4 per Carton)
5 Gallon (18.93 Liters) Pails
55 Gallon (208.20 Liters) Drums

SHELF LIFE (TYPICAL)

1 year in unopened container, stored at
50° F - 85° F (10° C - 29.4° C).

FEATURES/BENEFITS

- Enhances adhesion/Longer lasting repairs.
- Increases flexural strength/Better durability.
- Non-re-emulsifiable/Superior performance in a wet environment.
- Lowers permeability/Denser; decreases chloride intrusion.
- Greater resistance to freeze-thaw/Better repair cycling performance.
- Multi-purpose applications/Easy to use.
- Increases abrasion resistance/Strong, permanent repairs.
- Non-yellowing/Aesthetically appealing exterior repairs.

LEED INFORMATION

May help contribute to LEED credits:

- EQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants
- MR Credit 5.1: Regional Materials: 10% Extracted, Processed & Manufactured Regionally
- MR Credit 5.2: Regional Materials: 20% Extracted, Processed & Manufactured Regionally

FOR INDUSTRIAL USE ONLY

APPLICATION

Surface Preparation ... Perform surface preparation in accordance with ICRI Technical Guidelines No. 03730. Mechanically abrade existing substrate to remove all unsound concrete, but do not use excessive force, which may cause micro-fracturing. Substrate must be structurally sound and free of any contaminants that will adversely affect bond. Prepared surface must be dust-free and have a sufficient profile to ensure adequate mechanical lock. Saw cut perimeter of repair zone to a depth of 1/4" to avoid featheredging. Completely expose all reinforcing steel, ensuring a minimum clearance of 3/4" behind reinforcing steel. Perform reinforcing steel preparation in accordance with ICRI Technical Guidelines No. 03730.

CONTINUED ON REVERSE SIDE...

Pre-soak repair zone prior to application of MEADOW-CRETE® GPS to a saturated surface dry (SSD) condition and free of standing water.

Mixing and Application Notes ... Mix designs vary with specific job requirements. Proportioning of sand, cement and ACRY-LOK (diluted or neat) ratios achieve different physical properties. The application instructions highlight typical conditions. A test application is suggested to confirm performance.

As An Admixture ... Typically, blend one part cement to three parts sand, then add enough ACRY-LOK until a desired consistency is achieved. To avoid trapping air, do not over mix. Place modified mortar/repair material and finish appropriately, careful not to overwork the material. Once the finishing process is completed, immediately cure work zone with undiluted ACRY-LOK or one of several water-based curing compounds from W. R. MEADOWS. Do not use solvent-based curing compounds.

As a Bond Coat ... Mix one part cement to two parts sand, then add enough undiluted ACRY-LOK to make a slurry consistency. Work slurry into the repair area or concrete substrate with a stiff masonry brush, coating the entire area, paying special attention to the corners, sides, and any exposed rebar. Place concrete or mortar material prior to the ACRY-LOK bond coat becoming tack-free.

As A Bonding Agent (Neat) ... Apply ACRY-LOK undiluted by brush, roller or garden-type sprayer on to prepared surface. Place concrete or mortar before applied ACRY-LOK surface dries. Use ACRY-LOK neat as a bonding agent only on very small applications. ACRY-LOK, used neat, does not conform to the bonding requirements of ASTM C 1059-91, Type II.

PRECAUTIONS

- Designed for professional contractors; industrial use only.
- Do not allow to freeze; properly dispose of any material that has been frozen.
- Do not apply ACRY-LOK when temperature is expected to be below 40° F (4° C) within 48 hours or when rain is imminent.
- Avoid over mixing and overworking the surface.
- ACRY-LOK may increase air content.
- ACRY-LOK will alter mechanical properties.
- Not to be used as a structural bonding agent for concrete toppings >1.5" thick.

SAFETY AND TOXICITY

Avoid direct contact with this product. Use of safety glasses, rubber gloves and protective clothing is recommended. If contact occurs, wash affected areas with mild soap and water. Keep product out of reach of children. Refer to Material Safety Data Sheet for complete health and safety information.

For most current data sheet, further LEED information, and MSDS, visit www.wrmeadows.com.



LIMITED WARRANTY

“W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order.” Read complete warranty. Copy furnished upon request.

Disclaimer

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.