R-FlexAd™

Flexible latex cement additive

DS.FA. 061620

PRODUCT
R-FlexAd



MANUFACTURER
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*R-FlexAd is a Trademark of R-CRETE INC.

DESCRIPTION: R-FlexAd is a highly flexible, latex additive for Portland cement mortars. It improves flexibility, impact resistance, flexural bond strength and water resistant properties. R-FlexAd is an extremely versatile product with a wide variety of uses with many different products.

USES: R-FlexAd is added as the complete or partial replacement of the mix water in Portland cement mortar and concrete mixes. It is primarily added to bonding mortars and waterproof coatings. R-FlexAd is used where high impact resistance, flexural bond strength and water repellent properties are essential (ie: paver installation, precast cap installations, bonding to substrates with high movement).

R-FlexAd is typically added to the following products:

-VBM
-VBM Poly (LFT, 300, 500)
-VBM Bonder
-VBM Poly Thin Brick
-VBM Thinset
-MAC Scratch & Brown
-Poly Water Stop
-Dry Pack (3:1)
-Deck Mud

ADVANTAGES:
Adds water resistance, flexibility and impact resistance to bonding mortars.
Improves water resistance and flexibility for cement based waterproof coatings – CemCoat Seal
Versatile – Maybe used in a wide variety of mortars, coatings and applications.
Safe and easy to use. Non-hazardous and non-flammable.
Reduces cracking.

TECHNICAL DATA:

Polymer:	Water based Latex
Color:	White
Ph:	7-8
VOC:	Zero
Flammability:	Non flammable
Addition:	Will vary with application and product. Typically 25-100% replacement of mix water.

STORAGE: Store in a cool dry area out of direct sunlight. Protect from freezing. **Shelf life** is expected to be 3 years when stored in unopened containers in temperatures between 40°F (4°C) and 90°F (32°C).

PACKAGING: R-FlexAd is available in 1 gallon (3.78 L) and 5 gallon (19 L) plastic pails.

LIMITATIONS:
- Not recommended for green or water sensitive natural stone.
- Substrate must be sound-any cracks or excessive move ments may extend through mortar or cause bond failure.
- Avoid applications in high heat, wind or cold expected 40 °F prior to cure.
- Follow ANSI installation requirements.
- Bring expansion joints and control joints through veneers to the surface.
- Always perform quality control test procedures before and during application

SUITABLE SUBSTRATES: Properly prepared-
- Concrete
- Cement mortar beds
- Concrete masonry
- Cement plaster
- Brick masonry
- Some asphalt adhesives*
- R-Lastic coated substrates
- Cement backer board*
- Gypsum wall board*
- Existing ceramic tile and stone*
- Exterior grade plywood*
- Vinyl flooring*
- Plastic laminate*

A substrate suitable for bonding does not mean it is recommended for all veneers or applications.

*Interior use only
*Consult backer board manufacturer for suitability and instructions for the intended application.
*Properly prepared.
*Pre-installation tests required.

SURFACE PREPARATION:
Substrates must be structurally sound, suitable for the application. All surfaces must be clean and free from any dirt, dust, oil, grease, curing agents, bond breakers, lose paint or any substance that may reduce bond. Smooth surfaces must be roughened. Dampen substrates just prior to application. This is especially important on excessively absorptive substrates or when applications are in direct sunlight.
Surface temperatures of substrate must be between 40°F (4°c) and 90°F (32°C). Bring all expansion joints to the surface. Do not cover expansion joints with mortar. Follow ANSI Specifications. Substrates must be plumb and true within ¼″ (6mm) in 10 Ft. (3 m).

Mixing: Stir R-FlexAd just prior to use. It is preferable to add the dry mortar powder into the R-FlexAd liquid. Adjust the consistency of the mix with R-FlexAd. When mixing take care not to whip excess air into the mortar. If using a drill, use at low speed (< 300 rpm) and with a blade that does not create high air. High air content will lower strength.

APPLICATION: See applicable product data sheets for detailed application instructions.

CLEAN UP: Clean tools and surrounding area with water prior to curing.

AVAILABILITY: R-FlexAd is available at local building supply yards.

Warranty: The technical information and usage statements are based on our best knowledge. The contents of the specification sheet are presented for informational purposes only and do not constitute responsibility for their use. The manufacturer will replace only that material which is proven defective due to quality of the components or the manufacturing process.

The information and recommendations made here in are based on our own research and the research of others. All information is believed to be accurate. However purchasers should make their own test to determine the suitability of product for their particular application. Our only warranty shall be that of replacing the product due to manufacturing defects.

Product data sheets are subject to change without notification. Test results shown are typical but field performance will vary depending on installation methods and job conditions. *mac and vbm mortars are a trademark of r-crete inc.