# KREVO Latex

Water-resistant acrylic bonding agent | Cementitious bonding bridges | Modified repair mortars

## PRODUCT DESCRIPTION

KREVO Latex is a synthetic acrylic dispersion for use in cementitious bonding bridges and site-mixed mortar systems. Blended with suitable cement, sand and gauging water, it improves mortar adhesion, workability and resistance to water penetration. It is intended for bonding slurries, repair mortars and other cement-based construction applications.

## ADVANTAGES

- Enhances adhesion between sound concrete substrates and cementitious repairs.
- Helps reduce shrinkage-related cracking in properly designed mortar mixes.
- Improves abrasion resistance and reduces cementitious mortar permeability.
- Supports workable, cohesive, easy-to-apply cement-sand mixes.
- Suitable for common building substrates after proper surface preparation.

## TYPICAL USES

Cementitious bonding bridges • Patch-repair mortars • Grouts and screeds • Masonry mortars • Plaster and renders • Tile-adhesive mortars • General cementitious repairs

## PRODUCT INFORMATION

| PARAMETER | SPECIFICATION |
|---|---|
| **Generic type** | Water-resistant acrylic bonding agent and mortar admixture |
| **Chemical base** | Synthetic acrylic dispersion |
| **Appearance / colour** | White liquid |
| **Specific gravity / pH** | 1.00 ± 0.02 / pH ≥ 5 |
| **Primary function** | Cementitious bonding slurry and modified repair mortar |
| **Packaging** | 5 L, 20 L, 200 L |
| **Shelf life** | 12 months in original unopened packaging |
| **Storage conditions** | Sealed and dry, +5 °C to +35 °C; protect from sun and frost |

## TECHNICAL & APPLICATION PROPERTIES

| PARAMETER / TEST | TYPICAL VALUE / GUIDANCE |
|---|---|
| **Bonding bridge dilution** | KREVO Latex : Water = 1 : 1 |
| **Mortar admixture dilution** | KREVO Latex : Water = 1 : 1 to 1 : 3 |
| **Bonding slurry composition** | Diluted Latex plus cement and sand; never dilution alone |
| **Substrate preparation** | Clean, sound and pre-wetted; dark-matt without standing water |
| **Bonding bridge application** | Brush well into surface pores and irregularities |
| **Subsequent repair mortar** | Place wet-on-wet over freshly applied bonding bridge |
| **Mortar mixing** | Add gauging liquid to cement-sand blend; mix until smooth |
| **Performance verification** | Adhesion and water resistance to be validated for KREVO formulation |

# Application & Mixing Guidance

KREVO Latex | Surface preparation, gauging solution, bonding bridge and mortar mixing

## ACRYLIC MODIFICATION OF CEMENTITIOUS MORTARS

| CONTROL ITEM | TARGET / GUIDANCE | CHECK METHOD | ACTION |
|---|---|---|---|
| **Bonding dilution** | Latex : water 1:1 | Measured batch | Mix slurry |
| **Mortar dilution** | 1:1 to 1:3 | Trial mix | Set workability |
| **Surface condition** | Damp-matt, sound | Visual check | Remove free water |
| **Bond coat** | Cement-sand slurry | Brush coverage | Apply wet-on-wet |
| **Mortar quality** | Smooth and uniform | Trial / inspection | Cure properly |

An acrylic latex admixture can increase the cohesion and bond of properly proportioned cement-sand mixes. Use clean materials and prepare a gauging solution of KREVO Latex and water at the appropriate dilution. The resulting mixture may be incorporated into a cementitious bonding slurry or site-mixed mortar; final performance depends on the cement, sand and water content.

## DILUTION & APPLICATION CONTROLS

| STAGE | PROCEDURE / GUIDANCE |
|---|---|
| **1 \| Preparation** | Remove weak material and contaminants; produce a sound surface. |
| **2 \| Pre-wetting** | Pre-wet, then remove free water and leave a dark-matt surface. |
| **3 \| Gauging** | Dilute Latex 1:1 for a bonding bridge, or 1:1–1:3 for mortar. |
| **4 \| Slurry / mortar** | Combine gauging solution with cement and sand; mix until uniform. |
| **5 \| Placement** | Brush slurry into the surface and place new mortar wet-on-wet. |

## SURFACE PREPARATION

Remove weak or delaminated concrete, laitance, dust, grease, coatings and other bond-inhibiting contaminants. Prepare the surface to a clean, sound, open texture. Pre-wet porous cementitious substrates thoroughly, typically about two hours before application. Remove excess surface water; the surface should be uniformly dark-matt and free from standing water.

## BONDING BRIDGE - WET-ON-WET

Prepare the bonding gauging liquid at KREVO Latex : water = 1 : 1. Add this liquid gradually to suitable cement and sand to form a brushable slurry. Work the slurry firmly into all pores, pits and irregularities using a stiff brush. Apply the subsequent cementitious mortar while the bonding coat is still wet and active.

| INSTALLATION CONTROL | REQUIREMENT / GUIDANCE |
|---|---|
| **Product chemistry** | White liquid acrylic dispersion; SG 1.00 ± 0.02 and pH ≥ 5. |
| **Bonding bridge** | 1:1 Latex-water dilution; add suitable cement and sand. |
| **Mortar addition** | Latex : water 1:1 to 1:3; establish mortar blend by trials. |
| **Surface / placement** | Clean sound damp-matt substrate; apply repair wet-on-wet. |
| **Storage / shelf life** | Original sealed packs at +5 °C to +35 °C; 12 months. |

Do not use neat KREVO Latex or the Latex-water dilution by itself as a bonding coat. A compatible cement-and-sand slurry is required. Do not allow the bonding coat to dry before placing the fresh mortar; if it has dried, assess the surface and prepare a fresh approved bonding bridge.

## SITE-MIXED MORTARS & CURING

For mortar modification, prepare a gauging liquid with KREVO Latex : water between 1 : 1 and 1 : 3, depending on the required consistency and the project mix design. Add the liquid gradually to the cement-sand mix and blend until uniform and lump-free. Place and finish in accordance with the approved method; protect the fresh mortar and cure it appropriately.

# Installation & Product Support

KREVO Latex | Mixing sequence, wet-on-wet repair application, limitations and safety

## RECOMMENDED MIXING PROCEDURE

- Clean and prepare the cementitious substrate; remove all loose or weak material.
- Pre-wet porous surfaces; leave a damp-matt finish with no standing water.
- Dilute KREVO Latex with water: 1 : 1 for the bonding-bridge gauging solution.
- Add gauging liquid to cement and sand; mix into a uniform, lump-free slurry.

## PLACEMENT & QUALITY CHECKS

- Brush bonding slurry firmly over the prepared substrate to fill surface pores.
- Place the subsequent cementitious mortar wet-on-wet over the bonding bridge.
- For site mortar, use 1 : 1 to 1 : 3 Latex-water dilution, subject to trials.
- Check adhesion and workability; protect and cure the new repair appropriately.

## LIMITATIONS & SERVICE NOTES

- Do not apply neat Latex or Latex-water solution alone as a bonding bridge.
- A suitable cement-sand component is required for any bonding slurry.
- Remove free water before placing the bonding slurry; avoid dry substrate.
- Apply subsequent repair mortar while the bonding bridge is still wet.
- Establish cement/sand ratios and service suitability by project-specific trials.

## HEALTH, SAFETY & ENVIRONMENT

Wear suitable eye protection, gloves and worksite protective clothing. Avoid splashes and prolonged skin contact. Do not discharge unused liquid or mixed mortar into drains. Keep containers sealed and follow applicable storage, spill-response and disposal requirements. Read the current KREVO Safety Data Sheet before use.

## QUALITY & PRODUCT INFORMATION

The dilution ratios and physical properties in this sheet follow the supplied technical basis. Performance of KREVO Latex depends on material formulation, cement-sand mix design, substrate preparation, ambient conditions and curing. Confirm KREVO batch-specific quality data, test results and suitability before making certified performance or compliance claims.

## KREVO | GLOBAL CONTACTS


| ENGLAND | UNITED STATES | CHINA |
|---|---|---|
| 10 Shipley Avenue, Fenham<br>Newcastle upon Tyne<br>England NE4 9RA<br>+44 7436 650806<br>info@krevo.uk<br>krevo.uk | 9209 S. Aeva Avenue<br>Evergreen Park, IL 60805<br>+1 (773) 996-0846<br>info@krevo.us<br>krevo.us | Office 235, 4th Floor<br>No. 5 Inner<br>China<br>+86 139 5536 3625<br>krevo.cn |