



concrete adhesive

DESCRIPTION

KING concrete adhesive is a high performance latex emulsion for use as a bonding agent between new repair surfaces and existing concrete and masonry surfaces.

USES

KING concrete adhesive can be used as a bond coat by applying it directly to the existing surface(s) or by mixing it into the new repair material.

For patch repairs or resurfacing on concrete bridges, parking decks, industrial floors, retaining walls, sidewalks, etc.

For parge coating of foundation walls.

For leveling floors to receive over-layments of linoleum, vinyl or other tile.

SURFACE PREPARATION

The surface to be repaired must be structurally sound and clean, free from any dirt, oil, grease, tar, paint or other contaminant. Use either mechanical means (such as sandblasting, wire brush) or chemical means (such as a 10% trisodium phosphate solution) to thoroughly clean the area before repair.

Smooth surfaces should be roughened by mechanical means or a 10% muriatic acid solution. If acid is used, wash the surface thoroughly with water before applying the bond coat.

Whether acid is used or not, wet the existing surface to be repaired and remove any free standing water.

MIXING

When using **KING concrete adhesive** in the repair mix, substitute concrete bonder for the mixing water. We recommend 2.5L concrete bonder to a 30 kg bag of **SAKRETE** Concrete Mix or **SAKRETE** Sand Mix. Place the concrete bonder into the mixing container first, then add the **SAKRETE**. Do not dilute **KING concrete adhesive** prior to adding the **SAKRETE**. To obtain the desired consistency, it may be necessary to add a slight amount of water. Add only a little at a time.

APPLICATION

WHEN USED AS A BOND COAT:

Use a paint brush or roller to apply **KING concrete adhesive** on to the prepared, dampened surface. Be sure the entire surface is evenly coated to ensure proper bonding. Do not allow the solution to form puddles in cracks or hollows. The prepared patching material should be applied while the bond coat is still moist and tacky.

Note: Portland cement added to this product in the ratio of 3 kg per litre will provide increased adhesion.

WHEN USED IN THE MIX:

Sakrete mix containing **KING concrete adhesive** should be placed within 15 minutes of mixing. Use a trowel and force the mix well into all voids in the prepared, dampened surface. Finish troweling should be done with light pressure - do not over trowel.

KING concrete adhesive is not recommended for use at temperatures below 4°C (40°F) or above 30°C (86°F), or in areas where in-service temperatures exceed 37°C (100°F).

This product is designed to meet the performance specifications outlined in this product data sheet. If the product is used in conditions for which it was not intended, or applied in a manner contrary to the written recommendations contained in the product data sheet, the product may not reach such performance specifications. The foregoing is in lieu of any other warranties, representations or conditions, expressed or implied, including, but not limited to, implied warranties or conditions of merchantable quality or fitness for particular purposes, and those arising by statute or otherwise in law or from a course of dealing or usage of trade.

CONCRETE ADHESIVE

CURING

Best results are obtained when the mix containing **KING concrete adhesive** is allowed to air cure one day. For the next three days, moisten the surface occasionally with a fine spray of water. Prevent rapid drying.

During extremely hot weather or low humidity, cover the repair with wet burlap or plastic sheets and protect from direct sunlight for the first 24 hours. Under normal conditions, repaired areas may be used for light traffic after 24 hours and heavy traffic after 48 hours.

COVERAGE

As a bond coat, 946mL **KING concrete adhesive** should cover up to approximately 5 m² (50 sq. ft.) depending on surface porosity and condition.

CLEAN UP

Clean all tools and equipment with water immediately after use.

SHELF LIFE

Approximately one year at temperatures between 5°C and 20°C. Do not allow to freeze. Discard any frozen material.

LIMITATIONS

King concrete bonder should not be used in conjunction with air entraining agents.

CONTAINERS

946 mL plastic bottle
3.78 L plastic jug

CAUTION

Avoid contact with eyes. Avoid ingestion or inhalation. Avoid contact with skin, including contact with saturated clothing.

FIRST AID TREATMENT: If splashed in eyes or on skin, flush thoroughly with water.

WEB SITE

For more information and other projects, visit us at www.king-products.com.