

IDEAL BINDER

Binding admixture for cement

DESCRIPTION

IDEAL BINDER is a concentrated, high solids latex bonding agent designed for use with STENCIL-TOP (spray) Color Grouts, Overlay Mixes, hydraulic cements, tile grouts, mortars and concrete.

IDEAL BINDER significantly increases the water resistance and natural strength of grouts in overlay systems and ensures adhesive bonds to existing concrete, masonry, wood or metal surfaces.

Extremely flexible, it can be used as a bonding agent (primer) or mixed with cement and similar products. By mixing IDEAL BINDER with cement paste, every water molecule is coated with a "film" which slows down evaporation thus enabling cement to get completely hydrated and for a longer period of time treatment.

When used as a concrete admixture, IDEAL BINDER increases water resistance in steel reinforced concrete to help eliminate rebar oxidation that weakens steel reinforced concrete structures.

APPLICATIONS

- STENCIL TOP Spray Overlay Systems
- Overlay Systems
- Concrete Admixture
- Hydraulic Cement Admixture
- Plaster Adhesive
- Bridge Deck Overlays

ADVANTAGES

Cement-based mixtures containing IDEAL BINDER show the following advantages:

- Increased adhesion to different substrates including concrete, glass, steel;
- Excellent water resistance;
- Increased resistance to chemicals products;
- Increased abrasion resistance;
- Reduce cracks;
- Increases freeze-thaw resistance of concrete overlay systems;
- Decreased water-cement ratio with same workability;

It also gives a strong and flexible adhesion between the fresh and the existing concrete.

SURFACE PREPARATION

The existing concrete surface must be dry, cured (at least 30 days), not stained with grease, waxes, paints, resins or any other substances which could prevent the adhesion. All substrates require to be prepared before application.

New floors must be slightly sanded. Old floors must be scarified, acid washed or sanded in order to remove any residue which could get detached.

Both old and new floors must be washed with high-pressure water jet machine. As for perfect adhesion, it is recommended to wash the surface using hydrochloric acid and water solution (1/8) and then rinse carefully.

MIXING

IDEAL BINDER IS SOLD IN CONCENTRATE FORM AND MUST BE DILUTED BEFORE USING IN OVERLAY SYSTEMS.

Mix IDEAL BINDER thoroughly for at least 2 minutes. Mix 1 part of IDEAL BINDER with 2 parts of cold water. Mix thoroughly and keep in a fresh place and in a closed bucket.

Add this mix to the powder and mix with drill mixer for at least 2 minutes. The mix can be made thinner or thicker by adding more or less IDEAL BINDER to improve workability for specific applications. Base coat applications should usually be mixed thinner than spray or trowel down applications to ease application of grout.

Example: When you mix Ideal Binder for the Stencil Top technique (spray), mix 25 kg of Colour Hardener with 5-6 liters of diluted Ideal Binder

KEEP IDEAL BINDER COOL PRIOR TO AND DURING USE. ICE CUBES MAY BE USED IN THE IDEAL BINDER SOLUTION AND ALSO ADDED TO THE MIXING PAIL TO FURTHER EXTEND POT LIFE. KEEP GROUTS AND OVERLAY MIXES OUT OF DIRECT SUNLIGHT TO KEEP COOL.

Diluted IDEAL BINDER should be stirred periodically as some settling of the polymer will occur.

TECHNICAL SPECIFICATIONS

SOLIDS	48 %
PH	9.0 - 11.0
TOXICITY	Non Toxic
LOWEST APPLICATION TEMPERATURE	5°C
STORAGE TEMPERATURE	Between + 5°C and + 35°C

PACKAGING

10 L and 25 L tanks. The product lasts for about 12 months.

NOTICE

In case of application on old floors, it is recommended to carry out some adhesion tests.

IMPORTANT:

All the information contained in this sheet is based on the best practical and laboratory applications. It is the customer's responsibility to check the product is suitable for the use. The manufacturer declines any responsibility for wrong application. It is recommended to carry out tests on small areas before application. This sheet replaces and cancels any previous one. The data contained can be changed anytime. Ideal Work products are for professional use and the company organizes periodical training of its customers on demand. Anyone who uses these products without qualification, takes all the risks connected. REV 01 dtd 22/05/2015