



IDROKOL X20

SYNTHETIC RESIN-BASED LATEX IN AQUEOUS DISPERSION ADHESION ADJUVANT FOR CEMENTITIOUS MORTARS.

DESCRIPTION

Synthetic resin-based latex in aqueous dispersion, free from solvents. The product is a low viscosity white liquid and has high resistance to alkaline saponification

FIELDS OF APPLICATION

Particularly versatile additive that can be used in numerous applications. Additive for cementitious mortars like screeds, plaster, levelling layers, in order to improve the adhesion features and mechanical strength. Additive for the production of adhesive slurries suitable for anchoring new screeds made of Portland or LITOCEM cement on old substrates. Additive for the production of adhesive slurries for construction joints between fresh concrete on old concrete. Adhesive to mix with cementitious adhesives to improve adhesion qualities.

PACKAGING

2 kg canisters 500 kg standard pallet
5 kg canisters 600 kg standard pallet
10 kg canisters 600 kg standard pallet
20 kg canisters 720 kg standard pallet

PREPARATION OF THE SUBSTRATES

Suitable supports for the cement mortars with the addition of IDROKOL X20 must be consistent, free of dust, grease release agents and anything else that could affect proper adhesion. Loose or detaching parts must be removed by sandblasting, brushing or with a pressure washer.

PREPARING THE MIXTURE

It is recommended to pre-mix the additive with water before dosing the other powder components, complying with the indicated amounts. The mixtures can be made using a cement mixer, mortar mixers or with an electric drill fitted with a propeller mixer. In any case it is advisable not to exceed the mixing times in order to prevent excessive air bubbles from forming. If thin levelling or adherent screeds are implemented, it is indispensable to apply the adhesive slurry consisting of IDROKOL X20-water-cement measured in equal parts (1:1:1) on the old substrate before casting.

MIXING PROPORTIONS

| ADDITIVE FOR SCREEDS | | ADDITIVE FOR LEVELLING UP TO 10 mm | | ADDITIVE FOR PLASTERS | | ADDITIVE FOR ADHESIVE SLURRIES | | ADDITIVE FOR CEMENTITIOUS ADHESIVES | |
|--------------------------|------------------|------------------------------------|---------|-----------------------|----------|--------------------------------|--------|-------------------------------------|--------|
| Idrokol X20 | 30 kg | Idrokol X20 | 1 part | Idrokol X20 | 1 part | Idrokol X20 | 1 part | Adhesive | 25 kg |
| water | 120 kg | water | 1 part | water | 4 parts | water | 1 part | Idrokol X20 | 2,5 kg |
| cement | 300 kg | cement | 4 parts | cement | 5 parts | cement or Litocem | 1 part | water | 4-5 kg |
| aggregates 0/8 mm | 1 m ³ | fine sand | 4 parts | aggregates | 15 parts | | | | |

The slurry can be applied by brush, roller or trowel and the mixture should be cast "wet on wet" before the slurry has formed a superficial film. Subsequently, the mixture must be tamped and levelled to the required thickness. Cementitious adhesives and additives with IDROKOL X20 will be applied to the substrate using a notched trowel. When applied outdoors, also apply the adhesive mortar to the back of the tiles (double coating method).

WARNINGS

Apply at temperatures between +5°C and +35°C. Comply with the indicated dosages according to the application. The dosages in this data sheet relate to dry aggregate. If using wet aggregates it is essential to decrease the amount of water to dilute the additive. Do not use the product pure as an additive for construction joints, but always mix it with water and cement. If the additive is used as a bonding bridge for construction joints or for packing screeds or adherent levelling, the mixture should be cast "wet on wet" before the adhesive slurry has formed a superficial film. Do not use the product for applications not stated on this technical sheet. Since the additive is latex in aqueous dispersion, it is frost sensitive. Transport and store the product at temperatures not lower than +5°C. Avoid storing the product in canisters in direct sunlight or in very hot environments.

INFORMATION ON SAFETY

Refer to the product's safety sheets available upon request.

PRODUCT FOR PROFESSIONAL USE

IDENTIFICATION DATA

| | |
|------------------------------|---|
| Appearance | Liquid |
| Colour | White |
| Solid residue | 47-50% |
| Viscosity | 10-30 mPa s |
| Ph | 10-11,5 |
| Custom classification | 3906 9000 |
| Preservation time | 24 months in its original packaging. Protect from frost |

APPLICATION DATA

| | |
|--|--------------------|
| Admitted application temperatures | From +5°C to +35°C |
| Consumption | Depends on use |

Although the information in this technical chart is from our best experience, it is merely indicative.

Each specific case must be subjected to practical preliminary tests by the user who undertakes the responsibility for the final work result.

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