

Novobond

Multi-purpose copolymer latex

Bonding agent & admixture for screeds and mortars

Description

Multi-purpose SBR copolymer latex (modified styrene butadiene emulsion) designed to enhance the properties of cement mortars. Offers remarkable impermeability to water, elasticity and adhesion, in a wide variety of building and repairing applications.

Fields of application

- Cement screeds in floors, with increased resistance to abrasion, hydrostatic pressures and chemical attacks
- Plasters of high durability and impermeability to water
- Finishing-patching mortars of small thickness
- Bonding agent for renderings
- Bonding between old and new concrete or cement-based mortars
- Repairing of worn, damaged and spalled concrete elements
- Masonry & tile fixing mortars

Packing

200kg in drums
20kg & 5kg in plastic cans
Also available in alternative packing, upon request

Properties - Advantages

- Provides excellent bonding on various substrates
- Offers impermeability to water, as well as elasticity
- Enhances the abrasion resistance and prevents dust generation
- Prevents the formation of capillary cracks, caused by shrinkage and contractions-expansions
- Raises the flexural and tensile strength, and offers increased resistance to frost
- Improves the chemical resistance of mortars against grease, oil, dilute acids
- Resistant to alkali environment and freeze/thaw cycles
- Facilitates the creation of very thin layers
- Reduces the mixing water, without compromising the mixture's workability
- Increases the hardness of the surface
- Easy to use

Technical characteristics

Density (EN ISO 2811-1)	1,03kg/L (±0,03)
Solids content (ISO 1625)	>30%
pH (ISO 1148)	9-11
Viscosity (ISO 1652)	30-150mPa·s
V.O.C. content	<1g/l
Proportion: <ul style="list-style-type: none"> • <i>Plaster-render admixture:</i> 2-5kg Novobond / 50kg cement • <i>Floor screed admixture:</i> 5-10kg Novobond / 50kg cement • <i>Bonding agent:</i> 2-3 parts of cement : 1 part of Novobond : 1 part of water (by volume) 	

Instructions for use

Substrate preparation

Before applying any mortar enriched with **Novobond**, it is essential to ensure that the substrate is stable and of sufficient mechanical strength, clean and free of dust, oil, grease, dirt, old paints and loose materials. Cementitious substrates are recommended to be moistened with water, to achieve a saturated surface-dry (SSD) condition, without any ponding water.

Mixing

Novobond is mixed with water at the recommended ratio, depending on the type of application. The solid components (e.g. cement, sand) are mixed respectively. The mixing is preferably done with a mechanical mixer, in which case the liquid components (**Novobond** - water) are stirred first and then the solids are added in the required amount and stirred, until a homogeneous mixture is created, with the desired workability.

Application

The mixture is then applied by trowel, spatula, brush or roller, depending on the type of application.

Special notes

- The optimum proportions of cement, sand and **Novobond** depend on the substrate, the type of application and the required properties
- May be used as a primer for adhesion improvement of water-based waterproofing coatings and paints on cement-based substrates, applied diluted with water at an app. ratio **Novobond** : water – 1 : 3
- To achieve the best possible results, special attention should be paid to the other components that will be mixed with **Novobond**: cement, sand, other admixtures. Cement must be fresh, cool and without any lumps. In cement mortars, the sand must be well washed, sharp, free of soil and salts. For the compatibility with other admixtures, please consult the Technical Department of **NEOTEX**®.



Chemical base	Styrene Butadiene Emulsion
Appearance	White milky liquid
Packing	200kg in drums, 20kg and 5kg in plastic pails Also available in alternative packing, upon request
Cleaning of tools – Stains removal	By water immediately after application. In case of hardened stains, by mechanical means
Volatile organic compounds (V.O.C.)	V.O.C. limit acc. to the E.U. Directive 2004/42/CE for this product of category AhWB: 30g/l (Limit 1.1.2010) - V.O.C. content of the ready-to-use product <30g/l
UFI code	ASR0-H0VF-Q00V-943G
Storage stability	18 months, stored in its original sealed packing, protected from frost, humidity and exposure to sunlight

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