

Nutech NuBond

Fact Sheet



Description

NuBond is a carboxylated styrene/butadiene copolymer latex containing a non-staining antioxidant. It has been used extensively by the building industry for more than 40 years as an admixture for cement and concrete applications, including repair, renovation and surfacing of floors and concrete surfaces, and bonding generally. Unlike conventional concrete additives based on PVA resins NuBond is not affected by moisture or wet conditions after curing. NuBond is formulated as an undercoat for glossy or poor condition roof tiles prior to top coating suitable Nutech roof coating systems. It is recommended as an admixture in bedding and pointing mortar, repair mortars and cementitious mixes to obtain substantially increased adhesion, flexibility, tensile and compressive strengths.

Typical Properties

Appearance:	Opaque white viscous liquid, dries clear
Total Solids Content:	47%
pH:	11.0
Viscosity (Brookfield LVT Spindle 2 At 60 Rpm):	100 mPa.s
Minimum Film Forming Temperature	50°F
Specific Gravity:	1.01
Solubility In Water:	Soluble
Freeze/Thaw Stability:	Good

Recommended Application Rate:

Roof Tiles:	One coat @ 160 sq.ft. per Gallon
Pointing and Bedding:	Hydrate mortar mix with 25% solution NuBond and 75% clean water
Render & Mortar Mixes:	Refer Roof Coating Guidelines

Applications & Features

NuBond is used in the building industry for a variety of applications including adhesives, undercoat primers and cement admixtures. As a roof tile, concrete and masonry coating NuBond seals and bonds to rough, unstable, porous and glossy surfaces, for over coating with Nutech roof top coats or any other Nutech acrylic exterior paint. Because of the high resin solids content (47%) the coating provides maximum dry film build on rough surfaces improving top coat performance to guarantee water proofing. Surfaces undercoated with NuBond and coated with TileFlex 2000[®] or NXT Cool Zone[®] perform exceptionally after curing under conditions of hot, cold and wet weather. It has the significant advantage over other PVA additives because it is not adversely affected in wet conditions and is suitable for both interior and exterior use. NuBond is a stable non-yellowing latex which retains both flexibility and strength, and also provides excellent protection against bacteria and mould on most surfaces. NuBond is extensively used as an additive to cement mortar and concrete involved in the repair, renovation and water proofing of old concrete. Other features include:

- Greatly improved adhesion to a wide range of substrates including dense concrete surfaces
- Mixes may be applied in thinner sections
- Excellent resistance to water and water vapour
- A high level of resistance to salt permeation
- Improved strength and flexibility
- Reduced surface dusting of concrete
- Greatly improved resistance to many chemicals
- Reduced water/cement ratio for equivalent workability
- Clear or coloured mixture



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Applications & Features (cont'd.)

Typical applications include:

- Primer coatings for concrete roof tiles and surfaces
- Patching and repairing of concrete areas
- Industrial floor screening and topping
- As an additive with cement as part of a primer
- As an additive to a rendering mix to improve water resistance
- In adhesive mixes for concrete products

Important Application and Usage Warnings

Applying NuBond as a tile coating or coating uncured tile pointing in very low temperatures may cause adhesion problems.

The coating must be completely dry before top coating.

Do not use on a tile with a powdery oxidised surface. Rub the tile surface to test for loose powder.

Use NuPrime or SupaPrime to bind a loose oxidised tile surface.

Refer to Nutech Material Safety Data Sheet for additional safety and user information before using or opening the container.

Important Note

The information given on this data sheet is based on many years experience and is correct to the best of our knowledge. However since the use of our product, surface conditions, weather and a number of other factors are completely beyond our control, we can only be responsible for the quality of our product at the time of dispatch. For more information please contact our Company. As this information is of a general nature, we cannot assume any responsibility in individual cases.



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