



Products for the Professional

UNICLASS	EPIC
CI/SfB	

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Product Data Sheet

Render Improver

Description

White liquid, blend of acrylic and other polymer emulsions for improving the bond of key-coats and strengths of renders.

Uses

(1) As a key-coat:-

- (a) Diluted with water as a primer for porous surfaces.
- (b) Blended into a slurry with cement, produces a superior key-coat for use on smooth concretes.
- (c) Add to sand/cement for improved spatterdash.

(2) As a render admixture:-

When added to conventional sand/cement mortars, produces polymer modified renders with significantly improved working characteristics and set properties.

Mixing

- (a) Priming:- Thoroughly blend 1 vol. of Nicobond Render Improver with approx. 4 vols. of clean water.
- (b) Slurry:- Blend 1 vol. Nicobond Render Improver with 1 vol. clean water, then stir in 3 vols. of Ordinary Portland Cement. Mix thoroughly, using a Nicobond Mixing Whisk in a Heavy Duty electric drill, to a smooth, lump free creamy slurry. Maintain consistency during application by occasional stirring. Better results can be obtained, e.g. on dense smooth concrete surfaces, by using a ratio of 1 vol. Nicobond Render Improver to 1 vol. Ordinary Portland Cement.
- (c) Spatterdash:- Make up the spatterdash as normal, but use a blend of 1 vol. Nicobond Render Improver to 2 vols. clean water as the gauging liquid.

Application

- (a) Brush a thin, even layer of the primer onto the clean, dust free surface and allow to dry.
- (b) Brush the slurry firmly onto the prepared surface in an even coating about 1mm thick, with a rough "stippled" finish. Use at a rate of NOT LESS THAN 0.1 litre Nicobond Render Improver per m2. Apply render firmly onto the wet or "tacky" slurry to ensure good contact. If slurry is left for longer than about 2 hours at 35°C, recoat with fresh slurry before render is applied.
- (c) Apply the spatterdash as usual to the clean, prepared surface. Allow to fully cure before application of the render.
- (d) Improved render: Blend the sand/cement together in a pan or other forced action mixer. Then mix in the Nicobond Render Improver, carefully followed by the minimum water required to give the correct working consistency. Use 5 - 10 litres Nicobond Render Improver per 100kg cement. Higher additions may be recommended for specific applications.

General notes applicable to rendering

The ratio of cement to sand shall normally be 1 vol. cement to 3 or 4 vols. sand. Mixes richer in cement than the above are not recommended. The maximum thickness of render should be a total of 35mm, applied in 3 layers. Each layer should be 8mm - 16mm thick with subsequent layers thinner than the previous. Each layer should be carried out 5 - 7 days after the previous layer has been applied. Refer to the current British Standards 5262 External Rendered Finishes for full details.0 51



Application Data	
size :	200ltrs , 25ltrs, 5ltrs
Packaging	Polyethylene containers Protect from frost and direct sunlight.
Shelf Life	Up to 1 year unopened Do not allow to freeze

Features

Suitable for interior and exterior use Superior bonding-agent additive for key-coating renders to new or old Concrete. Ideal for use with spatterdash. Improves workability of renders, even those containing harsh sands. As admixture, improves tensile, flexural and compressive strength of renders. Lowers water demand, reduces mortar shrinkage. Reduces water penetration, improves freeze/thaw resistance. Chloride free. One product multiple applications.

Health & Safety Advice

Nicobond Render Improver may cause irritation to eyes and skin, particularly if dried material adheres to the skin, avoid contact with skin, eyes and clothing. Do not swallow. Wear suitable protective clothing, chemical resistant gloves and eye/face protection. Keep away from children.

The relevant Material Safety Data Sheet can be obtained from www.nichollsandclarke.com or directly from N & C Building Products Ltd at the address below.

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