

Monneli Bond

Multipurpose low viscosity
bonding agent & admixture

Product Description

Monneli Bond is a single component polymer based, bonding agent for cementitious materials. It is water based, specially formulated to enhance bonding properties as well as improve mechanical strengths of cementitious mixes when incorporated with mixing water. Monneli Bond also reduces shrinkage cracks during early stages of cement hardening by minimizing surface water loss in fresh applied mixes. Monneli Bond can be diluted on site with potable water for desired applications. Monneli Bond is ideal for use with premix plaster.

Uses

- ▶ Works as admixture with plaster, lime/sand cement screeds, renders, mortars and cement grouts when diluted 1:2 with potable water.
- ▶ Works as bonding agent and can be sprayed or brushed on green substrates to improve bonding of plasters, patching compounds. Renders, mortars, joint tape fixing etc. when diluted 2:1 with potable water.
- ▶ Can be used for both internal and external applications.

Advantages

- ▶ Multipurpose usage.
- ▶ Can be used as bonding agent & admixture.
- ▶ Enhances bonding of plaster, sand/cement screed, renders etc.
- ▶ Improves hydration & curing when added to cement based mixes.
- ▶ Improves compression strength & abrasion.
- ▶ It adheres well to various construction materials,

- ▶ Ensure brighter & long lasting colour to architectural finishes.
- ▶ Reduces shrinkage & cracks.

Usage Instructions

Substrate Preparation

Surface must be well cleaned and free from loose materials. Inconsistent parts, varnishes, grease, laitance, algae, must be eliminated through sand blasting or brushing before applying Monneli Bond.

Application

Monneli Bond has tendency of soft settlement on storage and therefore it is recommended to mix the material in same container prior to use.

Follow the dilution ratio required for each type of premixed mortar.

As Admixture

Dilute 1 part Monneli Bond with 2 parts water. Mix thoroughly to obtain uniform consistency liquid.

Add the diluted Monneli Bond to pre-blended sand/cement plaster, mortar, or other dry mixes. Mix for 3-4 min using mechanical mixer at low speed. Let the mixture stand for 10 min and mix again briefly to achieve homogeneous lump free mixture.

As a Bonding Agent

Dilute 2 parts Monneli Bond with 1 part water. Mix thoroughly to obtain uniform consistency liquid.

Apply using brush or spray directly onto substrate. If using hand pump, spray at a rate of 15 m²/litre. While bonding agent is still wet, follow immediately by applying plaster, render, mortars or joint tapes etc.

Note: Monneli Bond should remain tacky when applying top coat finishes.

Technical Data

Category	Typical Values
Appearance	Milky White Liquid
Density @ 25°C	1.01 Kg/L (approx.)
Solid Content	17% ± 2%
pH @ 25°C	5-9
Carrier	Water
Cement Compatibility	Good
VOC wt%	Nil

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ ASTM C932
- ▶ BS 6319

Packaging

Monneli Bond is supplied in 20 Liters Pail volume.

Shelf Life & Storage

Original sealed container of Monneli Bond has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°C.

Recommendations

Use the whole material once you opened the pack as the material start to skin & then dry.

Do not mix with other materials. Do not apply the product at temperature less than +7°C.

Tools should be cleaned with water before it hardens. After the hardening its residuals can be removed mechanically only.

For further information contact our technical department.recommended by Monneli.

Health & Safety

Monneli Bond is irritant and harmful therefore avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. In case of contact with eyes, clean immediately with plenty of clean cold water and seek medical advise.

Ensure adequate ventilation when using the material and avoid inhalation of vapours.

Refer to Material Safety Data Sheet for further information.

Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

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