

Monneli Finish WR

Water resistant internal use premix
smooth cement coating

Product Description

Monneli Finish WR is a cement based smooth finishing coat composed of hydraulic binders, selected aggregates and special additives. It is supplied as a dry powder in pre-weighed bags ready to use on site, which requires only addition of clean water to produce easily workable material. Monneli Finish WR is a high quality product for multipurpose use. Monneli Finish WR can be applied in thickness from 0.5 mm to 3 mm.

Uses

- ▶ Leveling of minor surface undulation of plaster and concrete.
- ▶ Applied internally onto walls & ceiling surfaces and suitable for use in wet areas like bathrooms, toilets & kitchens.
- ▶ On concrete surfaces that are smooth and also precast concrete surfaces.
- ▶ As a thin patch mortar, pin hole filler and color matching coat.

Advantages

- ▶ Factory controlled pre-blend ensures consistent high quality.
- ▶ Requires only addition of water on-site at the time of usage.
- ▶ Manual or spray machine application.
- ▶ Superior workability.
- ▶ Easy application that enables high Productivity.
- ▶ Excellent Adhesion on variety of substrates.
- ▶ Water resistant.
- ▶ Suitable for humid & dry conditions.
- ▶ Suitable for vertical & ceiling surfaces.
- ▶ For internal usage.

Usage Instructions

Substrate Preparation

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc.

Prior to Monneli Finish WR application, wet the entire surfaces with clean potable water and surface should look damp at the time of Monneli Finish WR application.

Mixing

Internal Block Walls & Rough Surfaces

For manual application add to the mixing container 7.4-8.2 litres of water for each 20 Kg bag of Monneli Finish WR. For Spray machine application use 8.4-9.2 litres of water for each 20 kg bag. Add the powder to the water and mix with a mechanical plaster mixer or low speed electric drill fitted with a suitable paddle for 3-4 minutes, until a uniform, lump-free consistency is achieved. Allow the mixed material to stand for about 10 minutes and remix briefly with no further water to be added.

Smooth Concrete Surfaces & Ceilings

We recommend to add 0.5 litres of Monneli Bond to the mixing water and adjust the water requirement accordingly for each 20 kg bag. Follow same mixing procedure as described above.

Mixed material can be used within 3 hours. Do not add water to the mix once the mixed mortar start to harden.

Application

Monneli Finish WR should be applied in layers to achieve desired thickness of 0.5-3 mm.

Various grades of finish textures can be obtained by selecting appropriate spray machine nozzle sizes.

Allow the installed application to remain undisturbed for at least 48 hours.

Curing

Monneli Finish WR is best cured by spraying water on the surface of applied material every 12 hrs for minimum 3 days. In case of using Monneli Finish WR as underlayment layer to receive a final finishing system, you can add 1 liter of Monneli Bond / Bag to improve

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curing process. This will help in achieving uniform colour, minimize risk of surface cracks and high mechanical strengths.

Cleaning

All tools should be cleaned immediately after finishing by water. Hardened materials can be cleaned mechanically.

Technical Data

Category	Typical Values
Appearance	White & Grey Powder
Aggregate Size	0.2 mm (max)
Application Thickness	up to 3 mm on multiple layer application
Wet Density	1.59 Kg/L (approx.)
Pot Time	2.5 hrs @ 25°C
Setting Time	4-6 hrs @ 25°C
Compressive Strength (ASTM C349)	≥ 10 N/mm ² @ 28 days
Flexural Strength (ASTM C348)	≥ 2.5 N/mm ² @ 28 days
Bond Strength (EN 1015)	≥ 1.0 N/mm ² @ 28 days
Water Retention (BS EN 413-2)	99.5%
VOC (ASTM D2369) (ASTM D3960)	1.40 g/L (approx.)

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ BS:EN 1015 - 12 (per BS EN 998)
- ▶ ASTM C348
- ▶ ASTM C109
- ▶ BS:EN 413-2

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.

Consumption

Monneli Finish WR usage yields 1.0-1.2 Kg per square meter.

Packaging

Monneli Finish WR is supplied in 20 Kg bag size.

Shelf Life & Storage

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

Health & Safety

Monneli Finish WR is highly alkaline therefore avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be wash with soap & water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advise.

Monneli Finish WR is non-flammable.

For further information, please refer to material safety data sheet.