

# Monneli Base WR

Weather resistant premix  
cement coating for internal use

## Product Description

Monneli Base WR is a cement based coating composed of hydraulic binders, selected aggregates and special additives. It is supplied as a dry powder in a pre-weighed bags ready to use on site, which required only addition of clean water to produce easily workable mortar. Monneli Base WR is a high quality product for multipurpose use and as a base coat for Monneli Finish WR. Monneli Base WR can be applied in thickness from 1 mm to 5 mm, in one or two layers depending site requirement. Monneli Base WR is available in two standard colours white, & grey.

## Uses

- ▶ Can be applied internally onto walls & ceiling surfaces.
- ▶ On concrete surfaces that are smooth and also on precast concrete surfaces.
- ▶ On wall surfaces that are plastered with water resistant plasters and on damp concrete interiors.

## 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.

## Usage Instructions

### Substrate Preparation

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

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

### Mixing

#### Internal Block Walls & Rough Surfaces

For manual application add to the mixing container 6-7 litres of water for each 25 Kg bag of Monneli Base WR. For Spray machine application use 9.5-10.0 litres of water for each 25 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

Add 0.5 litres of Monneli Bond to the mixing water and adjust the water requirement accordingly for each 25 kg bag. Follow same mixing procedure as described above.

Mixed material can be used within 2 hours. Do not add water to the mix once the mixed mortar start to harden.

### Application

Monneli Base WR can be applied to achieve a maximum thickness of 5 mm in layers; 1-2 mm per layer.

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 Base WR is best cured by spraying water on the surfaces of applied materials every 12 hrs for minimum of 3 days. During hot & dry conditions allow

curing for minimum of 5 days. This will help in achieving uniform colour, minimize risk of surface cracks and high mechanical strengths.

## Technical Data

Category	Typical Values
Appearance	White & Grey coloured Powder
Aggregate Size	Up to 1.0 mm
Application Thickness	1 to 5 mm
Wet Density	1.55 Kg/L (approx.)
Pot Time	1 hr
Setting Time	4-6 hrs
Compressive Strength (ASTM C109)	≥ 12 N/mm <sup>2</sup> @ 28 days
Flexural Strength (ASTM C348)	≥ 2.5 N/mm <sup>2</sup> @ 28 days
Bond Strength (EN 1015-12)	≥ 1.0 N/mm <sup>2</sup> @ 28 days
Water Retention (BS EN 413-2)	99.5%
VOC (ASTM D2369) (ASTM D3960)	3.08 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

## Consumption

Monneli Base WR usage yields 1.0-1.2 Kg per square meter for 1 mm thickness.

## Packaging

Monneli Base WR is supplied in 25 Kg bag size.

## Shelf Life & Storage

Original sealed bags of Base WR has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place.

## Recommendations

Do not mix with any additives or products, unless recommended by Monneli.

Make sure the substrate is suitable for plaster coat application. In case of doubt, try on sample area to assess its suitability.

Do not apply the product at temperature less than +5°C. During summer season the working area must be covered to prevent ill-effects from direct sun and also excessive air-draught during initial curing stage.

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

For further information contact our technical department.

## Health & Safety

Monneli Base 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 Base WR is non-flammable.

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

## 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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