

# RUSHBOND MS

## Superior Cementitious Key Coat

### Description:

RUSHBOND MS is ready mixed cementitious, single component polymer modified product. It consist of Portland cement, high strength hydraulic binders, aggregate and chemical additives to formulate a products that can achieve a high strength adhesion once applied on the substrates. It is formulated to provide high efficient mechanical key on smooth concrete walls and ceiling containing micro silica or GGBS to work as a rough base for subsequent applications of plasters.

RUSHBOND MS can be applied directly to smooth concrete without the need to hack it. It can be applied on any concrete element in the building.

### Uses:

RUSHBOND MS is specially formulated for use on fair face concrete enriched with micro silica or GGBS, to roughen the surface. It can also be used on light weight Autoclaved Aerated Concrete blocks "AAC".

### Advantages:

- High quality premixed spatter coat.
- Water proof base cement.
- For exterior and interior use.
- High strength and bonding properties.
- Single component, simple to mix & use.
- Pre-bagged and factory blended to avoid site batching errors.
- Contains no chloride-based additives.
- Excellent adhesion to concrete substrate which contains micro silica.

### Instructions for Use:

#### Surface Preparation:

Concrete surface must be free from dust, loosely adhered material, plaster and cement droppings, grease, mould, oil paints etc.

Make sure to remove all traces of curing compound films and shuttering oil. Do not use solvent to clean the substrate.

Moisten the substrate with clean water prior to application of the mixed product. Allow running water to drain prior to application.

#### Mixing:

Add contents of RUSHBOND MS bag into a container of **9.5 to 10.0 liters** of clean water and mix until a uniform lumps free consistency mix is achieved.

For mixing, use a slow speed mechanical mixer (200-300 rpm) fitted with suitable mixing paddle. Allow product to set for approximately 5 minutes then slightly re-stir before use.

#### Application:

Apply RUSHBOND MS using suitable spraying unit or manually with Tyrolean machine. Spray to the wetted surface and ensure proper coverage. Do not smoothen the Key coat, a rough texture is to be obtained to provide a mechanical key for subsequent coat of plaster.

RUSHBOND MS should be applied in a total thickness of 2-3 mm. Ensure that wet mix covers the entire surface area. Cure the applied coat with water for minimum of 2 days.

#### Standards:

- ASTM C387, C150, C926, C897
- BS 5262, 4551, 5492, 1015

TECHNICAL PROPERTIES	
Appearance	Cementitious Powder
Dry Density	1.90 (kg/Litre)
Wet Density	2.10 (kg/Litre)
<b>Compressive strength@28 days</b>	<b>&gt;25.0 N/mm<sup>2</sup></b>
Flexural strength@28 days	7.0 N/mm <sup>2</sup>

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Noxiousity L.88/379CEE	None
Chloride Content	NIL
<b>Bonding Strength@28 days</b>	<b>&gt;1.0 N/mm<sup>2</sup></b>
Max. time for application	50 minutes @25°

\*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

## Coverage:

A 50 kg. bag of RUSHBOND MS will cover up to **39 sq. meter @ 1mm thickness.**

\*Coverage rate is an approximate value, and subject to actual site conditions.

## Packaging:

RUSHBOND MS is available in 50 kg bags.

## Storage Conditions:

Store RUSHBOND MS in dry and covered area away from direct sunlight. Keep material protected from rainfall and avoid excess compaction.

## Shelf Life:

Shelf life is 12 months in original unopened bag when the above conditions are met.

## Cleaning:

Clean tools with water prior to product hardening. Hardened materials can only be removed mechanically.

## Remarks:

- The applied mortar has to be water cured for a minimum two days.
- Moisten the surface with water before applying RUSHBOND MS.
- Do not apply RUSHBOND MS in rainy weather, high winds and sand storms.
- During summer season, working area should be covered to prevent the direct sun effects. Keep equipment cool and use cold water.
- In case of concrete containing curing compound or any special additives, kindly contact MATEX Technical Department for assistance.

## Health and Safety:

Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

## FIRST AID:

- Eyes: In the event of accidental splashes, flush with warm water and seek medical advice.
- Skin: Wash skin thoroughly with soap and water
- Inhalation: Remove to fresh air, keep patient rested
- Ingestion: Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to RUSHBOND MS Material Safety Data Sheet.

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