

weberad 225 MB (Kuwait)

SBR latex-based
bonding agent

*Admixtures & Concrete
Related Products*

PRODUCT

weberad 225 MB is a water based latex admixture used as a bonding agent for mortar and concrete.

PROPERTIES

weberad 225 MB contains no iron. Added to mortar, it increases internal and external bonding of cement and confers to the product strength, waterproofing, flexibility and resistance to abrasion and to chemicals

SCOPE OF USE

weberad 225 MB is generally used:

- As an additive in spatter-dash key slurries, plasters, renders and mortar screeds.
- As an additive in joint grouts and thick mortar beds, for tiles, ceramics, marble tiles, bricks and stones.
- As an additive in mortars for the patching and the repair of concrete elements.
- As a bonding for fresh concrete on hardened concrete.
- For the bonding of prefabricated concrete elements.

CHARACTERISTICS

| | |
|---|--------------------------------|
| Appearance | White liquid miscible in water |
| Density at 20°C | Approx. 1 |
| Freezing point | -2°C |
| pH | 10 ± 1 |
| VOC and formaldehyde content ISO/FDIS 11890-2/GC-MS | None (<10µg/l) |

APPLICABLE STANDARDS

ASTM C 1059

LIMITATION

Optimum working temperature is 45°C. For hot weather conditions, consult Company's technical service for special instructions.

Works should be performed within 30 min. In case of workability loss, mixture can be re-wetted by adding more **weberad 225 MB**. Do not add water to **weberad 225 MB** or mortar mixes.

When areas are exposed to sunlight, rapid air movement, or hot temperature use **weberad cure Y 40** curing compound over the mortar surface.

For interior or protected exterior work, simple air cure is adequate.

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

Surface shall be sound and scrubbed using stiff-bristled nylon brush to remove laitance, dust, dirt, grease, wax, and concrete sealers. Surface should be damp with no excess, free standing water.

PRODUCT PREPARATION

weberad 225 MB liquid is directly added to a previously prepared mixture of cement/sand or cement/sand/gravel and mixed either by hand or a power mixer with low rotation speed (300 rpm). Total mixing time should not exceed 5 minutes from the time liquid is added to the solid material. Over-mixing should be avoided.

Keep mortar or concrete as stiff as possible for the intended use.

PRODUCT APPLICATION

Prime the prepared surface by applying a thin cement slurry mix with **weberad 225 MB**, using a stiff nylon bristled brush.

Apply mortar or concrete and level immediately. Use a float for finishing.

DOSAGE RATE

2 to 8% of cement weight for bonding slurries.

7 to 17% of cement weight for enhanced mortars (screeds, plasters, adhesives etc...)

PACKAGING

weberad 225 MB is supplied in 1kg, 5kg, 20kg, 20lit., 160lit. pails, 200lit. drums and 1000lit. containers.

STORAGE

weberad 225 MB has a high storage stability from -20°C to +45°C. Stir always before use.

Can be stored up to 6 months after manufacturing date, in original packaging.

SAFETY PRECAUTIONS

Avoid prolonged contact with skin. Wear protective gear for hands & eyes. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is non-flammable.

| MIX DESIGN FOR PATCHING AND REPAIR | | MIX 1 (by weight) | MIX 2 (by weight) |
|--------------------------------------|--------------------------|-------------------|-------------------|
| Raw materials | Cement | 1 part | 1 part |
| | Fine silica sand < 0.6mm | 1.5 parts | 1.5 parts |
| | weberad 225 MB | 0 | 0.17 parts |
| | Water | 0.36 parts | 0.17 parts |
| Flexural strength @ 28 days - MPa | | 5 | 6 |
| Compressive strength @ 14 days - MPa | | 35 | 45 |
| Pull off test @ 28 days - MPa | | 0.3 | 1 |

Above dosage are given for standard usage and for dry sand and applied in normal conditions. Adjustments could be necessary relative to the condition of materials and application.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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