

MonniProof HRB

Highly Rubberized, Bitumen Emulsion

Product Description

MonniProof HRB is a superior quality of high solid bitumen emulsion and rubber content. The dried film of MonniProof HRB is tough, seamless and extremely elastic. It forms an efficient waterproofing coating which withstands both minimum and maximum ambient temperatures without cracking, running or slumping.

Uses

- ▶ As a superior protection for underground concrete (e.g. foundations, retaining walls manholes) against soil acids and salty water
- ▶ Protective coating for steel work and pipes
- ▶ Protective lining for gutters carrying diluted acid, alkalis and similar effluents
- ▶ For maintenance of many type of roofs including built-up felt, zinc, concrete and lightweight screeds
- ▶ To provide a waterproofing membrane in wet areas such as kitchen and bathroom floors
- ▶ Suitable for polystyrene and polyurethane panels gluing to concrete or block surfaces

Advantages

- ▶ Excellent resistance to soil chemicals and salt solutions
- ▶ Excellent elasticity and can accommodate small amount of movement
- ▶ Excellent adhesion to most building surfaces
- ▶ Non-flammable, odorless and free of health hazards

Instructions for Use

Surface Preparation

The surface of the concrete shall be sound, clean and uncontaminated.

This preparation shall be such as to leave a sound exposed concrete surface free from dust, loose particles and any deleterious matter. If the concrete surface is defective or has laitance, it must be cut back to a sound base.

Moss and lichen must be removed physically followed by treatment with fungicidal wash. After treatment, it must be washed down thoroughly with clean water and allow to dry.

Application

MonniProof HRB shall be applied by brush or squeegee at a rate of 1m²/2.3 liter to reach a minimum total dry film thickness of 1.5mm. Coats must be applied at right angles to one another with a minimum of 6 hour intervals between each application at 25°C to achieve the desired thickness. Each coat must be completely dry before the next coat is applied.

Cleaning

MonniProof HRB products should be removed from tools, equipment and mixers with clean water prior to the initial set. Cured material can only be removed mechanically.

Recommendation

- Do not apply subsequent applications if the membrane is punctured or damaged
- When spraying MonniProof HRB, it is recommended to dilute it with 10% clean water
- For highly porous structure, a additional coat of MonniProof HRB is recommended and if desired, blind the coat with clean sharp sand as a protection against site traffic and/or to provide a key for top screed

Technical Data

Category	Typical Values
Appearance	dark brown liquid drying to highly elastic back coating
Density at 25°C	1.1 kg/L
VOC	30.0 g/L
Solid Content	>60%
Elongation	560%
Flash point	non-flammable
Rubber content	approx.15%
Service temperature	- 5°C to +80°C
Chemical resistance	excellent resistance to water, salt, dilute acid and alkalis
Drying time at 25°C	6 – 8 hours per coat

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ BS 6949
- ▶ ASTM C 309 - 96

Consumption

1m²/2.3 liter at 1.5mm thickness

Packaging

MonniProof HRB is available in 20 Liter Pails and 200 Liter Drums.

Shelf Life & Storage

MonniProof HRB drums should be sealed and stored away from direct sunlight. Shelf life is 12 months in tightly sealed containers if stored properly.

Health & Safety

MonniProof HRB is non-flammable, non-hazardous product. However, proper measures should be taken during work to avoid contact with eyes or skin. In the event of contact with eyes, wash immediately with clean water and seek medical care.

Legal disclaimer

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