

MonniThane 400 RB

Hybrid Emulsion Waterproofing Coating

Product Description

MONNITHANE 400 RB is a ready to use cold applied hybrid emulsion to provide a tough durable and elastic coating. The cured film is weatherproof and resistant to aggressive ground salts.

Uses

- ▶ Tanking, waterproofing concrete, brick foundation, retaining wall, bridge abutments, basements, columns, wet areas etc.
- ▶ Damp proof membrane in sandwich construction, vapor seal
Adhesion for bonding wooden flooring, insulation board, expanded polystyrene PVC and cork tiles, etc.
- ▶ Curing membrane as well as protective coating for sub structures

Advantages

- ▶ Excellent adhesion to most building substrates
- ▶ Single component, non-flammable and easy to apply tough impermeable film with good resistance to rupture during back filling.
- ▶ Resist attack from chloride and sulphate ions, excellent resistance to extreme of temperature, avoiding risk of flow or embrittlement.
- ▶ Sufficient elasticity to accommodate small movements and hairline cracks.
- ▶ Suitable for application into damp and dry surfaces.
- ▶ Forms a tough, elastic and seamless coating upon drying.
- ▶ Can be applied on vertical and horizontal surface.

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.

Oil, grease, varnishes, rust, dust and mould on metal surfaces shall be removed by wire or stiff brushing and grit blasting then wiped with SOLVENTE 10 prior to priming.

New concrete or cementitious surfaces should be at least 28 days old and have moisture content not exceeding 5%. Old or existing surface should be refurbished mechanically to ensure clear and sound substrate.

Priming

Hot, very dry or porous surfaces should be primed before applying MONNITHANE 400 RB. Allow the primer to dry completely before applying subsequent coats.

Mixing

MONNITHANE 400 RB should be stirred before use until a uniform color and consistency is achieved.

Application

MONNITHANE 400 RB can be applied by brush, squeegee or spray. When spraying it is advisable to dilute the product with 10% clean water. When two or more coats are required, it is important that the

preceding coat is fully dry before the successive coat is applied. Coat should be brushed at right angle to each other. When screed or render is applied on to the coating, the final coat should be blind deal with clean sharp sand and allowed to dry. Brush off excessive sand prior to applying the screed or render. Each coat must be completely prior to application of subsequent coats.

Cleaning

Tools and equipment used for MONNITHANE 400 RB should be cleaned with SOLVENTE 10 directly after use. Hardened material can only be removed mechanically.

Technical Data

Category	Typical Values
Appearance	Liquid
Color	Brown
Specific Gravity	1.0 ±0.02
Solid Content	40% ±2
Rubber Content	10%
Latex content in dry film	10% min by pass
Drying time at 30°C	2-3 hours
Over coating time	4 hours minimum these limits will be extended under low temperature or high humidity
Service Temperature	5°C to 85°C
Adhesion to Concrete	Excellent

All values are subject to 5- 10 % tolerance

Consumption

Depending on the dry film thickness required, apply the coating at 1–4m²/ltr./coat.

Damp Proof Membrane/Vapor barrier:

Apply two coats at 3-4 m²/ltr./coat.

Waterproof membrane: Apply two coats at 1.5 – 2 m²/ltr./coat.

Curing Membrane: Apply one coat at 5-6 m²/ltr./coat.

Packaging

The product supplied into sealed pails of 20 kg.

Storage

Store under shade at temp. below 30 °C away from direct sunlight and protected from extreme temperature.. Shelf life is 12 months in sealed original containers under recommended storage conditions.

Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly. If ingested, obtain medical attention immediately. Do not induce vomiting.

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.

VER.1.2019