

PENTENS RB Emulsion

Rubberized Bitumen Emulsion

Product Data Sheet

Description

PENTENS RB Emulsion is a superior quality, brown elastomeric bitumen protective coating blended with special additives. It is solvent based with special SBS rubber for high quality product performance and durability. Once cured, elastomeric liquid applied membrane forms an elastic and flexible coating that is capable of withstanding structural movements and moisture penetration.

Uses

PENTENS RB Emulsion is applied in tanking and waterproofing of structures.

- Floors: to provide a sandwich membrane during new construction or surface treatment.
- Wall: for interior and exterior walls.
- Roofs: for the maintenance of many types of roofs including built up felt, asphalt, lead, zinc, aluminium, concrete, lightweight screeds, timber, slate, asbestos, cement, corrugated iron and also as a vapor barrier.
- As an adhesive: for bonding woodwork, mosaics, insulation board, expanded polystyrene, cork tiles and for plastering.

Advantages

- Forms a tough and elastic waterproof film upon drying.
- High flexibility.
- Excellent adhesion to most substrates.
- Anti corrosion property.
- Self-sealing to minor cracks.
- Seamless and adaptable to irregular surface.
- Compatible with other bitumen products.
- Cold applied easy application.

Technical & Physical Data

Color	Dark brown
Service Temperature Limits	-5°C to 60°C
Application Temperature	5°C to 55°C
Specific Gravity (kg/liter)	1.0 – 1.1 at 25°C
Elongation	1000% (min.)
Solids Content	65%
SBS Rubber Content	10% (min.)
Flash Point	Non-flammable
Drying Time	4-6 hours (Touch dry under normal conditions)
Dried Film	Tack-free
Shelf Life	12 months when unopened
Storage Condition	Store in a dry, cool place
Packaging	20kg /pail 200kg /drum

Instruction for Use

Surface Preparation

1. All substrates must be clean and sound, free from dirt, dust, soil, grease, oil and other loose particles. Apply a penetrative coating using PENTENS SBB Primer.
2. Stir the solution thoroughly prior to use.

Apply on Concrete Substrate

1. Apply a minimum of 2 coats by brush or spray.
2. The second coat is applied when the first coat is completely dry.
3. Apply each coat at a right angle to the previous coat to achieve good coverage and uniformity.
4. Drying time is 4-6 hours under normal conditions.

Apply on Metal Structures

1. Clean the substrate by removing rust, scale and dirt using wire brush. Wipe off traces of oil and grease with a suitable solvent.
2. Apply a minimum of 2 coats by brush or spray.
3. The second coat is applied when the first coat is completely dry.
4. Drying time is 4-6 hours under normal conditions.

Consumption

Depending on the porosity of the substrate, PENTENS RB Emulsion coverage rate is approximately 0.70 - 0.80 kg/m² per coat.

Cleaning

Clean the brush and spray equipment immediately using suitable solvent like white spirit, petrol or diesel oil.

Health & Safety

PENTENS RB Emulsion is solvent-based and gives out inflammable vapor. Proper care must be taken when applying the coating. Wear proper and adequate personal protective equipment. Ensure adequate ventilation if used in an enclosed area. Do not smoke. Keep away from sources of ignition. Avoid contact with skin, eyes or inhaling the vapor. Make sure that the container is closed properly after each application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin cleanser followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.

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