

Bituproof 320

Water based elastomeric high build latex rubberised bitumen coating



Description

Bituproof 320 is a dark brown emulsified bitumen liquid reinforced with latex rubber, formulated from selected raw materials to form a high build elastomeric waterproof and protective coating for concrete and masonry.

Applications

Bituproof 320 provides a waterproofing and protective coating for:

- ▲ Retaining walls.
- ▲ Shaded or tiled roofs.
- ▲ Underground concrete foundations.
- ▲ Wet floor areas such as bathrooms and kitchens.
- ▲ Where minor live cracks may occur in concrete substrates, Bituproof 320 will bridge such minor cracks.
- ▲ Basement walls.
- ▲ Concrete slabs.
- ▲ Suitable for use as curing compound for fresh concrete.
- ▲ Bituproof 320 can be used as protective coating for normal and galvanized steel plates.

Advantages

- ▲ Elastomeric will bridge minor cracks which may occur in concrete substrates.
- ▲ Resists attack by chloride and sulphate ions present in ground water.
- ▲ Single component.
- ▲ Easily applied by brush, roller, broom or squeegee.
- ▲ Economical.
- ▲ Solvent free, non flammable.
- ▲ Asbestos free.
- ▲ Rot resistant.

Standards

- ▲ Bituproof 320 complies with ASTM D1227, Type III, Class 1.
- ▲ Bituproof 320 complies with ASTM C309 as a curing compound when applied with two coats at a rate of 4 m²/litre per coat.
- ▲ Bituproof 320 complies with ASTM D3747, Type I and II.

Technical Properties @ 25°C:

Form:	Liquid
Density:	1.00 ± 0.02 g/cm ³
Solid content:	≥ 50%
Dry time:	3 - 5 hr
Application temperature:	5 to 45°C
Tear strength: ASTM D624	> 1.5 kN/m
Tensile strength: ASTM D412	≥ 0.15 MPa
Bond strength: ASTM D4541	≥ 1.0 MPa
Resistance to heat: ASTM D2939	Pass
Freezing resistance: ASTM D2939	Pass
Water vapour permeance: ASTM D3747	≤ 2 ng/Pa.s.m ²
VOC:	< 40 g/ltr

Method of Use

Surface Preparation

Surface preparation is very important to get the highest performance of Bituproof 320.

Any surface to be coated must be clean, sound and free of oil or grease.

Any oil or grease contamination should be removed with a chemical degreaser. All holes should be filled with a suitable cementitious mortar before application of Bituproof 320.

Primer Coat

There is generally no need for primer coat. Dusty surfaces should be primed with a coat of Bituproof 320, diluted with an equal quantity of cool, clean water and allowed to dry.



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Application

It is recommended that two coats of Bituproof 320 be applied. The second coat should be applied at a right angle to the first coat.

Allow a minimum of 3 hours between the coats so that each coat is allowed to dry before applying the next coat. Bituproof 320 may be applied by brush, roller, broom or squeegee.

Note: Surfaces coated with Bituproof 320 should not be exposed to rainwater or ponding water for a minimum of 72 hours after application.

Cleaning

Tools and equipment can be cleaned with water when still wet.

Dried Bituproof 320 may be removed with DCP Solvent.

Packaging

Bituproof 320 is available in 18 and 200 litre drums.

Coverage

Coverage rate depends on surface roughness and the method of application.

- ▲ 3 - 5 m²/litre per coat, as protective coating.
- ▲ 1 - 1.5 m²/litre per coat, as water proof coating giving a dry film thickness of 500 microns per coat. Two coats recommended.

Storage

Store away from direct sunlight, and protect from freezing.

Shelf Life

Bituproof 320 has a shelf life of 12 months from date of manufacture if stored in proper conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advise.

Cautions

Health and Safety

As with all bituminous products, care should be taken during use and storage to avoid contact with skin, eyes and mouth. Wear suitable protective clothing, gloves and eye/face protection.

Should accidental skin contact occur, remove immediately with plenty of clean water. If swallowed, seek medical attention immediately - do not induce vomiting.

For further information refer to the Material Safety Data Sheet.

Fire

Bituproof 320 is nonflammable.

DCP Solvent is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Flash Point:
DCP Solvent: 37°C.

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A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.

