

Expanproof* 10



CONSTRUCTION CHEMISTRY

Bitumen emulsion protective coating

Uses

To act as a damp-proof membrane and vapour seal for concrete and masonry. It can also be used as a protective coating for concrete below ground.

- Foundation protective coating
- Curing membrane

Advantages

Expanproof* 10 has a number of significant advantages as follows:

- Easy to apply
- Economical in use
- Multipurpose, serves both as a protective coating and curing membrane
- Contains no solvent, no health hazard
- Resists attack by chloride and sulphate ions present in the ground water
- Adhere to wide range of materials including concrete, steel, cork and wood

Standards compliance

Expanproof* 10 complies with concrete curing requirements of ASTM C309-93 when applied at a rate of 2m² per kg and to BS6949:1991 requirements for bituminous coating.

Description

Expanproof* 10 is a brown/black liquid blend of selected bitumen emulsified with water to give an easily applied

Specification

Concrete surfaces shall be waterproofed with Expanproof* 10, a bitumen emulsion protective coating. It shall be applied at a rate of 2 m² per kg, and thus act as a combined waterproofing and curing agent in accordance with ASTM C309.

Technical support

Expanchem Fospak offers a full technical support package to specifiers, end users and contractors, as well as on-site assistance in locations all over the world.

Properties

Expanproof 10 provides an excellent waterproofing to below ground structures.

The essential properties of Expanproof* 10 are:

Bitumen content	: 60%
Time between coats	: Minimum 2 hours
Chemical resistance	:
(Test results with some common chemicals)	
Potable water	- Resistant
Sea water	- Resistant
Ground water	- Resistant

Instructions for use

Surface preparation

Surfaces to be coated must be sound, clean and free of oil or grease. Any oil or grease contamination should be removed with a proprietary chemical degreaser.

If the surface is dusty, it should be primed with a coat of Expanproof* 10, diluted with an equal quantity of cool, clean water and allowed to dry.

Application

Expanproof* 10 may be applied by brush, broom or squeegee. It is recommended that one or two coats should be applied depending on the degree of protection required. Allow a minimum of 2 hours between coats. Where the Expanproof* 10 is to take a screed, the second coat should be blinded with clean, dry sharp sand as soon as applied. The excess sand should be brushed off when the coating has dried.

Cleaning

Expanproof* 10 should be removed from tools and equipment with water when it is wet. On drying Expanproof* 10 may be removed with Expanchem Solvent 102*.

Estimating

Supply

Expanproof* 10	: 30 & 218 kg drums
Expanchem Solvent 102	: 5 liter containers

Coverage

Expanproof* 10	: 2.0 to 5.0 m ² / kg. (depending on substrate)
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Storage

Shelf life

Expanproof* 10 has a shelf life of 12 months when stored under normal warehouse conditions below 40°C.

Precautions

Health and safety

Expanproof* 10 contains bituminous material. Possible risk of irreversible effects in contact with skin. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Fire

Expanproof* 10 is not flammable. Expanchem Solvent 102 is flammable. Ensure adequate ventilation. Do not use near a naked flame and do not smoke during use.

Flash point

Expanchem Solvent 102 : 33°C

For further information, please consult the Material Safety Data Sheet for the respective products.

* Denotes the trademark registered.

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