

Penetrating Waterproofer

TECHNICAL DATA

Braemar Penetrating Waterproofer (BPW) is a high quality, liquid chemical coating for use as a surface treatment for cementitious surfaces and bricks to obtain permanent water repellent properties.



Technical information

Product description

A red, transparent liquid chemical which, when applied to cementitious surfaces and bricks, the surfaces obtain permanent water repellent properties

Intended uses

As a surface treatment for cement surfaces and bricks, to restrict the movement of moisture or water by repellent action in positive or negative order

Generic type

Alcaline derivative in liquid solution

Colour

Red, transparent

Appearance

Liquid

Solvent type

Water rinsable

Spreading rate

4-6 square metres per litre depending on the porosity of the substrate

Curing time

Seven (7) days

Storage

Store in plastic containers
Avoid spillages
Store away from direct sun, heat and severe cold

Overcoating

Under normal circumstances, painting of the surface may take place 24 hours after application

Packaging

1lt plastic spray bottle
5lt plastic bottle

Features

- BPW is the only SABS approved water repellent on the market (SABS 10400)
- BPW is the only water repellent that reacts chemically
- BPW is the only water repellent guaranteed never to break down unlike silica based products. It will last as long as the surface to which it is applied does
- BPW treated surfaces can be painted after only two hours and can save up to 50% paint as the surface is less porous
- BPW can be used on surfaces that will be permanently submerged under water such as fish ponds and pools. In these cases the product should be left for seven days to fully crystallise
- BPW treated surfaces will prevent the growth of mould
- BPW can be used to mix tile cement and grouting effectively making it waterproof
- BPW can be applied to cement roof tiles to extend their life time and prevent growth of algae thus reducing expensive maintenance
- BPW can be applied to rhino board type ceilings to stop paint flaking in areas of high moisture such as kitchens and bathrooms
- BPW effectively seals and protects paving bricks.

The above product claims are subject to the following conditions:

- Surfaces treated must be clean and completely dry
- The product may not be diluted under any circumstances.

Applications

Industrial

- Commercial buildings
- Concrete headgear and shafts
- Underground mining environments
- Butcheries
- Abbatoirs
- Food processing plants
- Bacterial polluted areas
- Algae or mildew polluted areas
- Mass or DPI housing projects
- Water purification or reticulation plants
- Dairy processing plants
- Sewage plants

Domestic

- Plaster surfaces
- Concrete surfaces
- Asbestos cement surfaces
- Precast walling
- Window sills
- Paving bricks
- Bathroom walls and ceilings
- Shower walls
- Drain surrounds
- Cement roof tiles
- Asbestos cement roof tiles
- Clay bricks
- Cement bricks
- Slate tiles



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Application instructions

The success of the treatment will depend on the quality of surface preparation.

Previously painted surfaces

- Remove all loose and flaking paint
- Remove all traces of mildew or algae growth with household bleach and sand well to feather the edges. 80 grit floor paper is recommended
- If the contaminated area is surrounded by flowerbeds or paving, remove all soil or paving bricks to expose the contaminated area
- Ensure that the area is free from dust, dirt or foreign debris
- Ensure that the surface is dry. If the surface is drenched with water or moisture, leave for as long as it takes to dry before application of BPW
- If necessary, fill in imperfections with crackfiller and smooth off.

New plaster or bricks

- Ensure that the surface is dry
- Ensure that the surface is free from dust, dirt or any foreign debris.

Application procedure

BPW treatment is an inorganic chemical substance that contains no binder. Therefore, it may not be treated as a paint product or as a substitute for paint. It will not bind the surface, i.e. it is not a bonding liquid.

Application equipment will consist of the following:

- **Small areas**
Spray apply by means of domestic type, trigger action, water pressure spray (500 -700ml capacity)
- **Medium sized areas**
Spray apply by means of hand type pump action, pressurised applicator (5L capacity domestic type)
- **Large areas**
Spray apply by means of agricultural high pressure lever type pump action spray applicator
- **Roller application**
Apply by means of dense industrial type sponge roller or high volume sheepskin roller in long vertical rolls starting at the top. Ensure that a wet edge is maintained at all times. Ensure that the surrounding area is well protected from spillages by using drop sheets and used newspaper. Avoid spillages on aluminium, alloys and wood
- **Compressed air**
Apply by means of agricultural paraffin applicator at a pressure to achieve a coarse mist. 1 to 2 Bar pressure will be sufficient. Ensure that the applicator is plastic type and contains no aluminium or alloys

Notes

- Under normal circumstances, painting of the surface may take place two hours after application.
- Avoid damming on flat surfaces

- Remove excess material with a wet cloth
- The final test for a successful application is to wet the surface with water and experience the repellent properties of BPW water repellent treatment

Health and Safety advice

Hazard identification

- Corrosive and may cause severe skin burns in humans
- Harmful to aquatic environments and organisms
- Violent reactions may occur on contact with other chemicals/acids
- This product is classified as corrosive and a danger for the environment if release is not controlled.

First aid measures

- Inhalation: Move person to well ventilated area
- Skin contact: Wash vigorously with potable water
- Eye contact: Wash vigorously with copious amounts of potable water
- Ingestion: Do not induce vomiting. Seek medical assistance.

Storage and handling measures

- Keep in original container
- Store away from acids
- Avoid the spread of mist
- Corrosive, store away from non-ferrous metals
- Avoid accidental discharge
- Do not discharge in drains or sewers.

Disclaimer

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