



Waterproof Cement Based Coating for Masonry and Concrete

Description

Permaseal is a single pack cement based coating, consisting of Portland Cements, blended and formulated with quality graded aggregates and chemical modifiers. In addition Permaseal contains an acrylic polymer which imparts improved strength, bonding and abrasion resistance. After hardening Permaseal becomes a vapour permeable and water pressure tight coating.

Uses

All below ground waterproofing of basements, tanks and ducts, both internally and externally on concrete, brickwork and blockwork. Also for the treatment of stone work, protection of structures above ground and for potable water storage systems.

Advantages

- Excellent adhesion to prepared surfaces
- Easy to apply by brush or spray
- Microporous (breathable)
- Can be pressure cleaned
- Durable

Method of Use

Surface must be clean and sound. Remove all previous coatings, loose material, laitance and any other contaminants. This may be done either by grit blasting, wet blasting or mechanical means. Tap off water pressure when necessary and apply appropriate number of coats of Permaseal as required and then seal weep holes with Remmers Waterstop. The floor wall joints should either be sealed with Remmers Waterstop applied into a 20mm x 20mm chase at the floor / wall joint or by using Remmers Waterproof Filler to form a fillet. Repair any existing cracks and fractures with Remmers Waterstop or Remmers Waterproofing Filler as necessary. A 10mm coat of 3:1 render (or an application of Remmers Waterproofing Filler) should be applied to all uneven substrates and masonry made of blocks with coarse surface textures (cellar blocks etc).

Mixing

Mix Permaseal with clean water only. The liquid demand is 7.9 litres per 25 kilos. Mix using a slow speed drill with an adequate helical stirrer attachment. Add powder to water to give a finished batter-like consistency that will support a fibre tanking brush in the mix.

Application

After tapping off water pressure where necessary by drilling 12mm holes and inserting a short length hose pipe, thoroughly damp down walls and brush apply the first coat of Permaseal vertically down and across the chase at a minimum coverage of 2kgs / m². After 24 hours, seal chase with Remmers Waterstop (a fillet can also be used at the floor / wall joint using Remmers Waterproofing Filler). Leave weep holes running. Apply a second coat of Permaseal horizontally at a minimum coverage of 2kgs / m². Cover chase / fillet with Permaseal. Remove taps, seal with Remmers Waterstop and overcoat. If leaks occur drill a 12mm hole and seal with Remmers Waterstop. After hardening, at the earliest in three days, a render coat can be applied. For external use apply two coats, finishing with brush, spray or sponge float.

Curing

External

For external use in warm or windy weather, mist spraying must be used to compensate for moisture loss. If the slurry dries too quickly then cracking may occur.



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Internal

The moisture loss that occurs on internal applications is called 'sweating'. This is a natural part of the curing process caused by water vapour condensing onto cold surfaces. This will normally occur during the early stages of the drying period, and the level of sweating will vary according to how much ventilation is available, and the type of heating employed.

Condensation

Below ground structures are prone to condensation and this is generally caused by poor ventilation and inadequate heating. Even after the initial drying period is over condensation may occur if the right circumstances prevail. Therefore, due consideration should always be given to correct ventilation and heating where necessary.

Decoration

Any initial decoration should be considered as temporary and restricted to a low cost trade emulsion. Plastic, vinyl or eggshell paints should not be used.

Limitations

Do not apply to frost filled surfaces, or when temperature is at 5°C and falling. Seek our technical advice when dealing with sulphates.

Product Data

Coverage 2 kg / m² per coat

Water addition 7.9 lts per 25 kgs
Working time 80 minutes at 20°C
Initial set 5 hours

Density: 2000 kg / m².
Colours: Grey and White
Packaging: 25 kg. Sacks & buckets
Shelf Life: 6 months
Storage: Sacks to be kept in suitable dry storage, off ground, under cover.

Health & Safety Precautions

Cementitious based materials can be hazardous to health. Wear protection or masks when mixing dry powder. Use in ventilated area. Wear gloves or use barrier cream if you are allergic to cement based products.

C.O.S.H.H. Regulations should be adhered to where applicable.

FOR USE BY PROFESSIONAL OPERATORS ONLY

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Great
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