

Cemseal DS

Waterbased Film Forming and Crystallizing Sealer

cemseal[®]
Your Construction Chemical Partner

The Product

Cemseal DS is a one component waterborne dual actions dampness sealing and waterproofing sealer for concrete and masonry substrates. It is a Water based film forming and crystallizing sealer for seepage and dampness but is permeable to water vapour.

Cemseal DS is roller or brush applied sealing compound. It can be gravity feed into cracks or injected into soil behind substrate.

Manufactured from a blend of inorganic compounds and Polymers, it achieves both surface and in-depth sealing by both film formation and crystallization. Containing mild antibiotic it inhibits organic growth without endangering the environment.

On application, a surface film formed rapidly, sealing of the surface. Rising moisture collected beneath the surface cause the other components to penetrate deeply into the substrate and crystallized, providing in-depth sealing gradually. One of its components increases the concrete ph to greater than 10. Depending on the quantity applied, the curing process, while provide rapid protection, will continue as long as there are active components and moisture.

When it is necessary to stop ground water intrusion, without relieving pressure, Cemseal DS can be injected into soil behind substrate. Colloidal particles formed will be carried by groundwater to block all seepage points, up-to 3 meter from point of injection. If necessary, more Cemseal DS can be injected via the same port till leakage stop.

Uses

Damp Sealing of :

- ◆ Leaking balcony, kitchen, shower, toilet and wet areas.
- ◆ Basement walls and floor.
- ◆ Retaining and Tunnel walls.

Advantages

- ◆ Easy application, by brush, sprayed, roller or injection applied
- ◆ Seal dampness by dual actions and vapour breathable.
- ◆ Translucent and UV resistance.
- ◆ Paintable with Acrylic Emulsion Paint.
- ◆ Will not support Algae growth.
- ◆ Abrasion resistance.
- ◆ Fine hairline cracks sealing.
- ◆ Water based & environmental friendly.

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Technical & Physical Data

Colour	White Liquid
Packaging	20 kg/pail
Density	1.17
Flash point	Not flammable, Water based
Application temperature	10°C to 60°C
Drying time	< 1 hour @ 25°C, 65% RH, on concrete
Crack filling	0.1 mm to 1.5 mm
Depth of absorption	1 mm to 8 mm (Grade 20 concrete)
Shelf Life	12 months of kept in a cool dry sheltered place

Method of Statement

Flood Infusion System	<ul style="list-style-type: none">◆ Seal & waterproof the dampness / seepage problem areas without hacking the existing floor finishing.◆ All skirting area must be treated to a minimum height of 300mm. For shower area, we recommend a minimum height of 2000mm.
Surface Preparation	<ul style="list-style-type: none">◆ Clear the area to be applied.◆ Clean the surface with water jetting at > 50 bar.◆ Seal the drainpipes at least 75mm below the floor level with an inflatable balls
Application	<ul style="list-style-type: none">◆ While the floor damp, the surface to be flooded with Cemseal DS and allow it to infuse for at least 3 hours. To stir the liquid occasionally to increase infusion rate.◆ Inspect the soffit to detect any severe leakage due to any void or fissure in the substrate during the initial flooding. If any, Cemseal Plug to be used to seal these and continue with the treatment.◆ After the flooding, Cemseal DS is be removed and wipe to clean immediately with a damp & clean cloth / sponge.◆ Please do not wash the treated surface. Allow it to cure at least 24 hours before it open for traffic.◆ Water ponding test may be conducted after at least 7 days curing time.◆ Discard spent materials by waste specialist.
Others Application	To consult the local Cemseal's representative.
Limitation	Contact with wood with high resin content may causes colour change. Cemseal DS will not seal dynamic cracks.

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First Aid	In case of contact with eyes, skin or body wash immediately with clean fresh water or stand under shower and wash off. In case of inhaling of vapor or ingestion remove to fresh air and do not induce vomiting. Obtain immediate medical treatment.
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