

Chemiseal

Penetrating Clear Protective Coating

Description

Chemiseal is a modified silicate that chemically reacts with concrete to densify the structure, filling and sealing pores. It prevents water ingress, but allows the structure to breathe. The treatment forms a transparent impermeable barrier against water and other elements.

Uses

Sealing of concrete on major civil and commercial structures such as car-parks, balconies, rooftops, podium decks, bridge decks, tunnels, wharfs and other marine structures. Suitable for reservoirs and water treatment facilities as well as a hardening penetrant solution to floors in factories, garages, sugar-mills, dairies, etc.

Features

- Single pack, concentrated solution
- Non-flammable and non-hazardous
- Simple application, protects against surface cracking
- Creates a solid, non-porous mass
- Seals cracks up to 1 mm in width
- Makes concrete up to 50% harder
- May be applied to green concrete – assists curing
- Seals against oils and grease
- Prevents damage from rising damp

Typical Properties

Colour	Colourless/Grey Translucent
Solids Content	40%
S.G.	1.4
pH	12
Clean up/thinner	water
Penetration	Up to 15mm depending on the porosity of substrate

NOTE

- Do not allow contact with glass, aluminium or asphalt. If contact occurs, flush surfaces immediately with water.
- Do not use on coloured concrete slabs
- DO NOT ALLOW TO PUDDLE. If excess application occurs, a thick film build up will appear which must be flushed away with water and broomed off.
- Use protective gloves and eye protection during use.

Preparation

Surface to be clean and free from contamination. Remove concrete laitance by water blasting and scrubbing.

Application

Dilute Chemiseal with 4 parts of clean water before use.

New Concrete:

Use low pressure sprayer keeping surface wet with solution for 30 minutes. Squeegee or broom any excess material from surface onto adjacent dry area and continue application. Surface should assume a “slippery” feel underfoot. Spray any unsaturated areas again lightly.

Old Concrete:

Saturate surface with Chemiseal using a spray, broom, brush or roller. Keep surface wet with solution for 30 minutes (as for New Concrete). Flush surface if required.

Protective Coating:

Apply uniformly by spray or broom and allow to dry.

Brickwork and Stone:

Apply two to three coats by spray or soft bristled brush. Allow 24 hours to dry between coats.

Coverage

Usually 3-4m² per litre of diluted Chemiseal per coat. One flood coat is normally sufficient, but 2-3 coats of Chemiseal may be necessary on old or very porous surfaces.

Packaging

Chemiseal is packed in 20 litre pails and 200 litre drums.

Storage

Store pails in a cool dry place. Unopened containers have a shelf life of 12 months from the date of manufacture.

Clean-up

Remove unsolidified product with water.



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