

Cemseal MB200P

Moisture Vapour Barrier Coating

cemseal[®]
Your Construction Chemical Partner

The product

Cemseal MB200P is an-situ applied damp-proofing floor coating designed for use at a thickness of 0.5mm to 3mm. It is a 2 components, formulated from special cement and chemical additive.

Application directly on concrete, masonry substrate as moisture barrier to provide an ideal substrate to receive subsequent coating.

Uses

Cemseal MB200P is an ideal of sealing and leveling, damp-proofing and sealer for concrete, mortar and the like.

- » New or old masonry and concrete
- » Floor slab and wall
- » Basement slab and wall
- » Damp area

Advantages

- » Easy application, by brush or trowel or roller
- » Excellent adhesion to all sound and prepared substrates such as concrete, mortar brickwork.
- » Applied on damp substrate - walls and floors
- » To hot and humid climate in tropical countries.
- » Resistant to any bubbling or side osmosis.
Water based & environmental friendly.
- » Prepackaged for accurate on-site mixing
- » Could be applied over fresh concrete (3 days curing time)
- » Slightly flexible
- » Non-toxic
- » Waterproof and vapour barrier

Technical & Physical Data

Bond Strength on concrete	15 kg/m ²
Elongation at break	30%
Components	2 components
Packaging	Component A + B : 35 kg/set
Color	Component A : Powder / Grey Component B : Liquid / White Component A + B : Slurry / Grey
Coverage	2.00kg/m ² /mm
Pot Life at 30 ⁰ C	<30 minutes
Curing Details at 30 ⁰ C	Foot traffic : 1 days Light traffic : 2 days Subsequent coating. : 3 days
Application temperature	10 ⁰ C to 30 ⁰ C
Water absorption	0.03kg/m ² /h
Shelf Life	6 months from the date of production (kept in a cool dry sheltered place, in original, unopened, undamaged sealed packaging)

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Method Statement

Substrate Preparation	<p>NEW CONCRETE : The surface must be firm, dry, clean, free of dirt, oil, grease and all other foreign matter. The age of new concrete must be at least 3 days and a minimum tensile strength of 200 psi is required of the prepared surface before coating. Mechanical methods such as grinding, sanding should be carried out to remove the weak layer of surface laitance.</p> <p>EXISTING CONCRETE : The surface must be existing structurally sound, dry and free of all contaminants. Weak or contaminated concrete must be removed until sound concrete is realized. Old coatings, toppings, waxes, oils & etc must be removed by mechanical methods or acid etching before priming. Acid etching is possible but less desirable.</p>
Priming	Cemseal AC Primer should be applied to the prepared surface using a soft brush or a primer pump. It should be lightly brushed to ensure a complete uniform film has been applied. The function of the primer is to prevent air bubbles and to prevent de-watering of the floor compound before curing.
Mixing	Cemseal MB200P is supplied in pre-weighed and blended units. It should be mixed in a suitable rotating drum mixer. First pour the resin into a suitable container and stir with a slow speed paddle stirrer. Slowly, add Powder until a consistent homogenous lump free compound is obtained.
Application	Pour the mixed Cemseal E400SF must be placed immediately onto the prepared damp floor whilst the primer is still wet. Spread with a trowel or squeegee to the desired thickness and coverage rate. The material must be rolled with a spike-rolled on completion to remove and release any air entrapped in the system. Rolling must be done immediately after placing the material. Do not attempt to float the setting surface.
Curing	Cemseal MB200P should be cured for 24 hours before any traffic. For subsequent coating, it should be cured for 3 days and inspect the moisture content is below 4% before any coating application.
Limitation	The application of Cemseal MB200P is not possible at below 10°C and on frozen surface.

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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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