



CEMEX DAMP-PROOFING

Cementitious waterproofing kit

Discussion

CEMEX DAMP-PROOFING KIT a two part waterproofing system incorporating a blend of cementitious powders combined with proprietary activating chemicals and high grade quality aggregate fillers with **HYPERDAMP** Bonding Agent.

CEMEX DAMP-PROOFING KIT is a waterproofing system for concrete, cementitious and masonry substrates. It penetrates the surface through moisture absorption and reacts with the free lime forming a hard crystalline material which blocks the pores against water penetration and becomes an integral part of the structure.

It provides positive and negative waterproofing pressure against dampness and ground water as well as hydrostatic pressure.

Physical Properties

Colour:	Grey powder and white liquid
Pack Size:	28kg powder and 3L liquid
Application:	Brush
Coverage:	8m ² per kit (2 coat application) (25L yield for 16m ²)
Specific gravity:	Powder = 2.0 Liquid = 1.0
Working Time:	± 1 hour at 20°C
Setting Time:	Similar to concrete
Overcoating Time:	Minimum 12 hours depending on temperature
Application Temp:	10°C to 35°C
Durability:	Similar to that of Normal Portland Cement
Toxicity:	Non-toxic
Durability:	Similar to that of Normal Portland Cement



Yield

One 28kg bag of **CEMEX DAMP-PROOFING** powder when mixed with 3 litres of **CEMEX DAMP-PROOFING** Bonding Agent and 6 litres of water will yield \pm 25 litres of slurry.

Surface preparation

Surfaces to be treated must be free of dust, oil and grease.

Any curing compound, mould oil, release agent or other surface treatment must be removed. Remove any laitance from concrete and weak delaminating mortar from brickwork.

Brush down and clean off, leaving a sound substrate providing adequate bond for the applied slurry. Preparation is usually carried out using mechanical tools such as scabblers for floors and bush hammers for vertical surfaces.

Static cracks greater in width than 1mm must be chased out, dampened down and repaired with a dry pack consistency of **CEMEX DAMP-PROOFING 28KG KIT** which is then coated with a slurry of **CEMEX DAMP-PROOFING 28KG KIT**.

Application

If there is exposed reinforcement within the treatment area, coat with CEMEX DAMP-PROOFING Bonding Agent where it enters the concrete, to ensure sound bonding is achieved.

Prior to application, pre-dampen with a block brush and water, the area to be treated and ensure any free standing water is removed before commencing with the coating.

Apply the material in two or three coats, each coat at right angles to the other. For adequate waterproofing protection and results, an average coverage of 3-4kg /m² should be specified.

Allow 12 hours curing between each and subsequent coats.

Curing

CEMEX DAMP-PROOFING 28KG KIT must not dry out too rapidly and should be kept damp for a minimum of 2 to 3 days.

Plaster within 24hours of final Cemex coat or use Darachem Bonding Liquid as a primer.



Maintenance

No maintenance required

Health and Safety

- Avoid contact with skin or eyes.
- Keep out of reach of children.
- If accidentally swallowed, seek medical advice immediately.
- To avoid the risk of spillage, always store and transport containers in a secure upright position.
- Refer to Material Safety Data Sheet for additional information.

Standard Disclaimer

The recommendations contained herein are given in good faith and meant to guide the specifier or user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond STT Sales (PTY) LTD control.

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements.

Important Note; It is the responsibility of the user to ensure that the latest TDS is being used for reference. **DARACHEM** Data Sheets are available on our website www.darachem.co.za or Email info@darachem.co.za.

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