

CEMPROTECT

High performance nanotechnology water repellent protection for cementitious & stone substrates



DESCRIPTION:

CEMPROTECT is a high performance nanotechnology penetrating hydrophobic protection treatment for all cementitious substrates, as well as natural & artificial stone. It serves to protect these substrates by keeping the surface dry through a powerful water repelling action. It is waterbased making it more environmentally friendly & less toxic.

CEMPROTECT treatment slightly darkens the surface & enhances colour. There is no impairment of the substrates ability to "breathe", allowing water vapour to escape where required. As water is the primary agent for the long term destruction of concrete & stone & is involved in nearly every form of gradual substrate deterioration, hydrophobic CEM PROTECT is an obvious choice for long term substrate protection.

TYPICAL APPLICATIONS:

- To protect all concrete structures from gradual damage by water borne aggressors.
- To protect all cementitious & stone substrates from water damage including preventing efflorescence & mould growth.
- As a concrete floor treatment to protect against rising damp in concrete floors.
- To enhance weatherproofing of precast concrete & poured concrete walls.
- As the base coat primer for Cemix ARCHITECTURAL SEALER.
- As a near invisible sealer for concrete masonry, concrete brick & stone veneers.
- As a non-slip sealer for concrete floors, concrete/stone paving, & concrete roof tiles.
- As a water repellent primer for clear sealers & paints.
- As a near invisible sealer for solid plaster.
- As a water repellent admixture for site batched mortar & solid plaster.

ADVANTAGES:

- Strong water repellent action
- Waterbased
- Durable
- UV resistant
- Highly breathable
- Easy to use

TECHNICAL DATA:

SG: 1.01

POT APPEARANCE: Milky white liquid.

APPLICATION TEMP: 5°C to 30° C

COVERAGE:

Porous masonry: Approximately 1.5m² per L for 2 coats, depending on surface porosity.

Dense concrete & stone: Approximately 5m² to 10m² per L, depending on surface porosity.

PACKAGING:

CEM PROTECT is supplied 1L, 4L, 10L & 20L Pails.

STORAGE & SHELF LIFE

Can be stored in its original container in a cool place with lids tightly sealed for a period of 24 months after production. Do not allow product to freeze during storage.

SUBSTRATE PREPARATION:

Surfaces should be uncoated & clean, free from all contaminants, loose particles, dirt, mould, efflorescence, oil etc. Surfaces should be dry & able to accept water.

AGITATION:

Shake product thoroughly before using it taking care not to contaminate it. Do not dilute product.

APPLICATION:

Sealer: Apply undiluted 1st coat generously & evenly by low-pressure spray or brush onto a dry surface. Ensure that the surface is well flooded & allow product to be fully absorbed. Apply the 2nd coat onto the 1st coat, ideally after 1 hour but within 3 hours. Ensure that the surface is once again well flooded. A 3rd coat can be applied immediately after the 2nd coat if required (recommended for highly absorbent porous substrates such as non-water-repellent block & mortar).

Apply evenly and avoid streaking on vertical surfaces. Apply to whole areas or panels in one go. On very dense surfaces, wipe up any surface excess that has not been absorbed with a soft cloth before it dries after approximately 45min.

Admixture for site batched mortars & plasters:

Replace 1/3 of the mixing water with CEMPROTECT & mix thoroughly. Pre-project trials are recommended.

POST APPLICATION

Protect applied product from rain and freezing for at least 24 hours after application.

Wipe product off any joinery, glass & other surfaces before it dries.

OVERCOATING:

When using the product as a primer, it can be overcoated once dry 24 hours after application.

PRECAUTION

Do not allow product to freeze during storage & application.

Protect applied product from rain and freezing for 24 hours after application.

CLEANING:

Clean all tools with water & brush immediately after use.

MAINTENANCE:

Clean sealed surface as and when required with clean water & low strength water based detergent.

Depending on 'wear & tear' re-apply CEMPROTECT to a clean dry surface every 5 to 10 years, or as required.

SAFETY:

This product is non-hazardous. As a precaution, avoid contact with skin & eyes & use suitable protective equipment especially when spraying. Keep out of reach of children.

FIRST AID:

Irrigate eyes & skin with plenty of water & seek medical advice immediately.

DISCLAIMER: *Recommendations & advice regarding the use of this product are to be taken as a guide only. Other than as appears on this products packaging, CEMIX LTD does not give any warranty express or implied as to the suitability of this product for your particular use, because the usage of this product is beyond the control of CEMIX LTD. If you need advice concerning the use of suitability of this product for your particular application, please contact CEMIX LTD first.*

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