

TECHNICAL DATA SHEET

06/01/2018

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PROTECTiT
SPECIAL PROTECTION

PROTECTiT 200

Powerful water repellent masonry cream.



PRODUCT DESCRIPTION

- PROTECTiT 200 is a ready-to-use masonry cream, specially formulated to defend facades from Chloride Ion attack.
- Penetrates over 10mm and is Class II, hydrophobic impregnation to BS EN 1504-2.
- Penetrates the substrate and blocks water ingress, humidity and airborne contamination that cause surface degradation and deterioration. It is effective with micro-cracks up to 0.3 mm.
- Ideal for protecting building facades such as bricks, brick slips, render, concrete and GRC cladding systems. It increases durability and reduces long term demands for repairs.
- Protects building substrates from: salt efflorescence, freeze/thaw damage, airborne contaminants, moss and algae,
- VOC free silane cream which utilises the latest nano-technology.
- PROTECTiT 200 has been tested compliant to EN1504-2. Chloride Resistance (EN1504-7) has been determined by the salt ponding method.

APPLICATION

Always test apply on a small hidden portion of the substrate before applying.

- The surface must be clean and free of any trace of oil, grease, cleaning product, dust, efflorescence, paint or any other substance that reduces absorption of PROTECTiT 200 into the surface. All concrete repairs must be completed before commencing application of PROTECTiT 200.
- Apply PROTECTiT 200 to the whole surface to be protected, including repaired areas.
- PROTECTiT 200 may be applied by brush, roller or airless spray. Apply in one continuous application until the surface is saturated. The dosage will vary according to the porosity of the substrate.
- Apply the product to saturation from the bottom upwards avoiding any runs.
- **Drying time:** From 48 hours (under normal weather conditions) up to 2 weeks.

ADVANTAGES

- Protects against Chloride attack.
- Increases the service life of concrete.
- Thixotropic Paste, can be applied to vertical and horizontal structures.
- Fully efficient within 1 week.
- Excellent durability & penetration
- Suitable for a wide variety of building substrates.
- Ready to use; easy application.
- Effective on structures subject to corrosion agents and de-icing salts.
- Effective under high humidity conditions.
- Non-film-forming, allows the support to breathe.
- Silicone-free and invisible after drying
- Excellent ageing, UV-resistant, does not yellow.



KEY FEATURES

- PROTECTiT 200 is ideal for protecting civil engineering concrete structures such as bridges, pillars, slabs, silos, car-park decks and all external surfaces that are subject to wind driven rain
- Easy to apply - simple drip and run-free application onto surfaces
- Resists hydrostatic pressure of water (ideal for basements)
- Up to 15 year performance

TECHNICAL DATA

- **Chemical Composition:** viscous cream based on silanes and siloxanes.
- **Apperance:** white, paste
- **Density:** approx. 0,85 g/ccm
- **Flashpoint:** > n.a. VOC = 0.0 g/ltr
- **Chemical Resistance:** mild acids and alkalis, water and de-icing salts.
- **Concentration :** approx. 20 %
- **VOC Content:** 0.0g/litre
- **Packaging:** 1, 5, 25 and 1000 Itr Units

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RECOMMENDATIONS

- Wear protective gloves and glasses, and appropriate clothing whilst using the product.
- In order to prevent contamination with bacteria and fungus spores from the ambient air, the containers should only be opened to remove the product required and be subsequently closed once more. In particular when using plastic drums, see that no dust or dirt from the atmosphere falls into the open drum. Close the drum immediately after the product has been taken out.
- Curing Treatment: Do not apply if rain is expected within 4 hours. Water repellence is evident after initial curing but may take up to 7 days to reach 100% efficacy.
- Do not apply during rain or frost and when surface and air temperature is < 5°C and > 30°C.
- Notes: The technical data provided is based on laboratory tests and some variations may occur on large areas and unknown substrates.

STORAGE

- Store the product in a cool, dark place (between 5°C and 30°C).
- May be stored for maximum of 9 months after the date of delivery in originally sealed containers.
- When a dipper is used, it must be cleaned thoroughly before immersion.
- Once the containers have been opened, use up the complete contents as quickly as possible.

HEALTH AND SAFETY

- Respiratory Protection: Under normal conditions no special respiratory protection equipment is needed.
- Hand Protection: Wear domestic gloves.
- Skin Protection: Wear protective clothing over exposed areas of skin.
- Eye Protection: Safety glasses with side-shields.
- If swallowed: Do not induce vomiting. Contact a doctor or a specialist.
- KEEP OUT OF THE REACH OF CHILDREN

TECHNICAL SUPPORT

For technical information on the product please visit our website: www.protectitsp.co.uk

Important: The content of this documentation is based on our experience of the product. We expressly decline any liability in the event of failure by the user to comply with the recommendations and conditions of said products, notably but not exclusively in the event of incorrect application by an unqualified person(s) or use of products not compatible with this product(s) or unsuitable weather conditions. For further information refer to the safety data sheet. Formal clarification on all matters relating to application and suitability for use of the product(s) should be sought from us prior ordering

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PROTECTiT Special Protection www.protectitsp.co.uk
16 0921-CPR-16/2185 EN 1504-2:2004
Surface Protection Products Hydrophobic Impregnation
Depth of Penetration, Class II, > 10mm
Water absorption and resistance to alkali as: Absorption ratio <7,5 % compared with untreated specimen Absorption ratio <10 % after immersion in alkali solution Drying rate for hydrophobic impregnation: > 30 % Weight loss after freeze/thaw: > 20 Cycles



PROTECTiT SP UK: +44 (0)77 3047 4882 | www.protectitsp.co.uk
Greenhouse 49 Green Lanes, London N16 9BU, United Kingdom