



URBAN SURFACE PROTECTION
THE TOTAL SURFACE PROTECTOR

USP-200

PROTECTION CREAM

Product Description:

Steel reinforcement, in the presence of humidity and Chloride Ions (from de-icing salts, road salt etc.), is prone to Active Corrosion. The expansive nature of the resulting corrosion by products crack the concrete and reduces its mechanical strength.

USP-200 is a ready-to-use product that has been specially formulated to defend concrete from Chloride Ion attack. It works by blocking Chloride penetration into concrete.

USP-200 penetrates over 10mm and is Class II, hydrophobic impregnation to BS EN 1504-2.

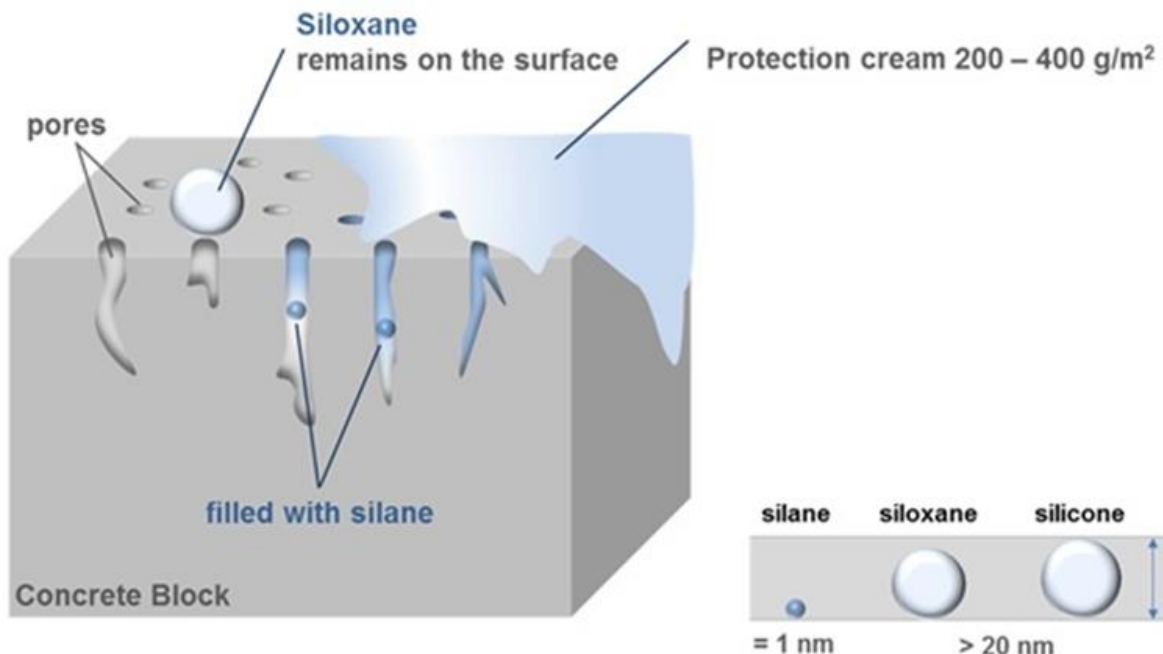
USP-200 penetrates the concrete surface and blocks humidity and chlorides that cause Active Corrosion. It is effective with micro-cracks up to 0.3 mm.

USP-200 is ideal for protecting civil engineering concrete structures such as bridges, pillars, slabs, silos and car-park decks. It increases durability and reduces long term demands for repairs.

USP-200 protects concrete structures from:

- salt efflorescence
- frost and thaw damage
- corrosion
- algae or moss

USP-200 is a VOC free Silane Cream which utilises the latest nano-technology.






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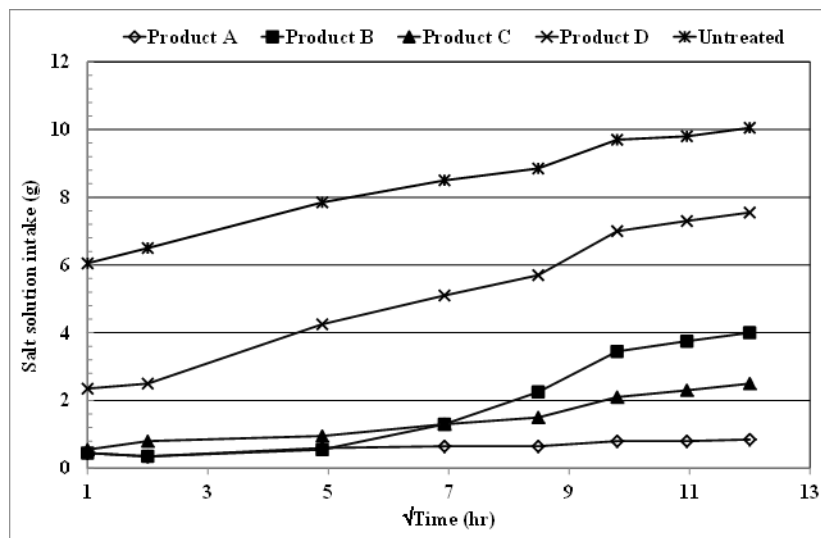
CE MARKING / PERFORMANCE

USP-200 is CE Marked in compliance with the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this Certificate applies to the construction product:

Products and systems for the protection and repair of concrete structures
Part 2: Surface protection systems for concrete (Hydrophobic Impregnation)

 0921
Urban Surface Protection Ltd, Daisy Dene, Inglewhite Road, Longridge, PR3 2EB
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
Dangerous substances comply with 5.4

USP-200 has been tested compliant to EN1504-2. Chloride Resistance (EN1504-7) has been determined by the salt ponding method.



USP-200 is product 'A' in the above test result for Chloride solution ponding over 90 days. It shows negligible Chloride intake compared with treatment products B, C and D by other manufacturers.



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Uses:

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
Excellent penetration
Suitable for in-situ concrete and prefabricated concrete.
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.

Packaging:

1, 5, 25 and 1000 ltr Units

Technical Data:

State: Cream
Colour: White
Odour: Perceptible odour
Relative Density: 0.85
Coverage: 200-400g/M2

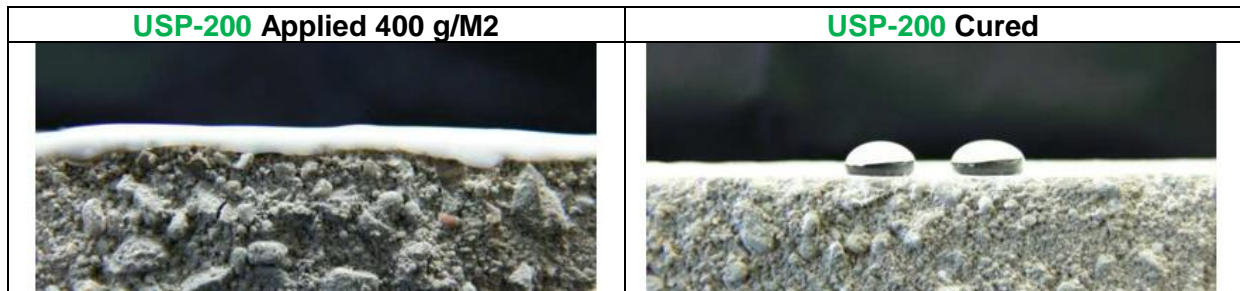
Directions for Use / Application:

“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 **USP-200** into the surface.
All concrete repairs must be completed before commencing application of **USP-200**.
Apply **USP-200** to the whole surface to be protected, including repaired areas. **USP-200** must be applied to saturation.
USP-200 may be applied by airless spray, brush or roller. Apply in one continuous application until the surface is saturated. The dosage will vary according to the porosity of the concrete.
Drying time: 4-24 hours under normal weather conditions. Full curing can take 1-4 weeks depending on the alkalinity and porosity of the substrate.





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Storage/Cleaning:

Keep in a dry place (between 5°C and 30°C).

Storage: 6 months following the production date when kept in the original unopened container. Immediately after you have finished, clean all tools and equipment with water.

Recommendations/Curing:

Only treat surfaces which have been cleaned of all atmospheric pollution.

Only apply at temperatures between 5°C and 30 °C.

Do not dilute or mix with another product, especially water.

Health and Safety:

Respiratory Protection: Under normal conditions of use, where adequate ventilation is available, no special respiratory protection equipment is needed.

Hand Protection: Wear PVC gloves.

Skin Protection: Wear protective clothing over exposed areas of skin.

Eye Protection: Wear safety goggles.

If Swallowed: Do not induce vomiting. Contact a doctor or a specialist.

KEEP OUT OF THE REACH OF CHILDREN

Please refer to Material Safety Data Sheet.

Legal Notes: See USP Limited Standard Terms & Conditions.

USP is REACH compliant to EU 2015/830

Our technical department is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding regarding possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods that are beyond our control.

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