



URBAN SURFACE PROTECTION
THE TOTAL SURFACE PROTECTOR

USP-100

SURFACE TREATMENT

Product Description:

USP-100 is a non-film forming, impregnating aqueous fluoropolymer dispersion. **USP-100** impregnation prevents ingress of most types of urban contamination, including oils and graffiti to wall, paving and roof, porous building substrates.

Uses:

A treatment for the exterior and interior, to prevent water and liquid ingress.

USP-100 prevents airborne dirt and stains from adhering to the surface. It has a good resistance to graffiti.

USP-100 reduces surface degradation as atmospheric contaminants no longer stick to the surface. **USP-100** resists moss and lichen formation.

USP-100 will not alter the aesthetics of the treated surface (invisible protection) or change its colour. A treated surface will remain moisture vapour permeable.

USP-100 prevents surfaces from deteriorating through repeated "Freeze/Thaw" cycles.

USP-100 is suitable for ground surfaces with high levels of foot traffic.

USP-100 penetrates up to 10mm and is Class I, hydrophobic impregnation to BS EN 1504-2.

USP-100 is UV resistant. Non-flammable. Non-toxic. Environmentally friendly.

Packaging:

1, 5, 25 and 1000 ltr Units

Technical Data:

Chemical Composition: Aqueous fluoropolymer dispersion.

Density: 1.0kg/ltr @ 25°C.

Flashpoint: > 55°C.

Chemical Resistance: mild acids and alkalis, water and de-icing salts.

Coverage: Dependent on porosity

VOC Content: 0.0g/litre

Directions for Use / Application:

"Always test apply on a small hidden portion of the substrate before commencing works."

APPLICATION DETAILS:

Substrate Quality: Cracks must be repaired using a concrete/mortar repair system.

Moisture content should be = or <5% to a depth of 1cm. Substrate Preparation: Clean, free from dust, dirt, oil, efflorescence, organic growth and old paint films.





URBAN SURFACE PROTECTION
THE TOTAL SURFACE PROTECTOR

Pressure washing up to 2500 psi and the use of **USP-501** or **USP-P&P** will eradicate residual organic spores.

APPLICATION INSTRUCTIONS:

USP-100 may be applied using low pressure spray, brush or roller. Ensure application is from bottom to top on vertical surfaces taking care not to let the product run. Any subsequent applications must be applied whilst the product is still wet (do not allow to dry between applications).

Re-application; Subsequent applications **MUST** be applied “whilst still wet or damp” ideally within 10 minutes of previous application.

Once a fully treated surface is dry **USP-100** cannot be re-applied as there will be loss of adhesion.

Application/Limitations; Efflorescence must be treated with **USP-800** before application of **USP-100**.

USP-100 is unable to work if applied over non-absorbent surfaces.

APPLICATION CONDITIONS/ LIMITATIONS:

Substrate Temperature; +5°C to 30°C.

Ambient Temperature; +5°C to 30°C.

Substrate Moisture; 5% maximum.

COVERAGE:

Architectural Concrete: 5 SqM/Ltr

Block Paving - 5-8 SqM/Ltr

Porous-Natural Stone (Limestone, Sandstone) 2-5 SqM/Ltr

Low Porosity Stone (Granite, Marble, Slate, Terracotta) - 8 – 16 SqM/Ltr

Coverage rates vary with stone porosity. All surfaces must be treated to saturation in 1-3 applications (do not allow to dry between applications) applied, to ensure 100% product efficacy. This varies with substrate, treating a small trial area is recommended to calculate true consumption.

Storage/Cleaning:

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

Storage: 24 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:

Wear protective gloves and glasses, and appropriate clothing whilst using the product.

Curing, Treatment: Do not to apply **USP-100** 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.

Notes: The technical data provided is based on laboratory tests and some variations may occur on large areas and substrates of an uncertain nature.

Do not allow the applied product to dry in between application.

Do not apply during rain or frost and when surface and air temperature is < 5°C and > 30°C.





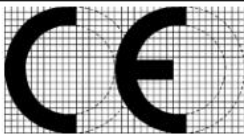
URBAN SURFACE PROTECTION
THE TOTAL SURFACE PROTECTOR

CE Marking

USP-100 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)

| |
|--|
|  0836 |
| Urban Surface Protection Ltd, Daisy Dene, Inglewhite Road, Longridge, PR3 2EB |
| 13 0836-CPR-13/F059 EN 1504-2:2004 |
| Surface Protection Products Hydrophobic Impregnation |
| Depth of Penetration, Class I, < 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 % Dangerous substances comply with 5.4 |

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 domestic 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.

Urban Surface Protection Limited
Daisy Dene, Inglewhite Road, Preston, PR3 2EB
T. 01228577289
E. info@urbansurfaceprotection.co.uk

