

Product Data Sheet



MODIFIED SURFACE TREATMENT IN ACTION



PRODUCT DESCRIPTION











Contec USP-100 Surface Treatment is a non-film forming, impregnating aqueous fluoropolymer dispersion.

Contec USP-100 Surface Treatment impregnation prevents ingress of most types of urban contamination, including oils and graffiti to wall, paving and roof, porous building substrates.

ADVANTAGES

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

Contec USP-100 Surface Treatment:

-  Prevents airborne dirt and stains from adhering to the surface.
-  It has a good resistance to graffiti.
-  Reduces surface degradation as atmospheric contaminants no longer stick to the surface.
-  Resists moss and lichen formation.
-  Will not alter the aesthetics of the treated surface (invisible protection) or change its colour.
-  A treated surface will remain moisture vapour permeable.
-  Prevents surfaces from deteriorating through repeated "Freeze/Thaw" cycles.
-  Is suitable for ground surfaces with high levels of foot traffic.
-  Penetrates up to 10mm and is a Class I, hydrophobic impregnation to BS EN 1504-2.
-  Is UV resistant, non-flammable, non-toxic & environmentally friendly.

PACKAGING

1, 5, & 25 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: Dependant on porosity

VOC Content: 0.0g/litre



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APPLICATION

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

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.

Pressure washing up to 2500 psi and the use of **Contec USP Surface Reviver** will eradicate residual organic spores.

APPLICATION INSTRUCTIONS:

Contec USP-100 Surface Treatment 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 **Contec USP-100 Surface Treatment** cannot be re-applied as there will be loss of adhesion.

Application/Limitations; Efflorescence must be treated with a neutraliser before application of **Contec USP-100 Surface Treatment**.

Contec USP-100 Surface Treatment 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, and 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.



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RECOMMENDATIONS/CURING

Wear protective gloves and glasses, and appropriate clothing whilst using the product.
Curing, Treatment: Do not to apply **Contec USP-100 Surface Treatment** 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 $< 5^{\circ}\text{C}$ and $> 30^{\circ}\text{C}$.

HEALTH & 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. Transportation Class, N/A.
USP is REACH compliant to EU 453 2010 from the 01/12/2010*

CERTIFICATION & CE MARKING

Contec USP-100 Surface Treatment 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
0836-CPR-13/F059 EN 1504-2:2004
Surface Protection Products Hydrophobic Impregnation
Depth of Penetration, Class I, $< 10\text{mm}$
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





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TECHNICAL SUPPORT

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Important: The content of this documentation is based on our experience of the product. Conservation Technology guarantees the quality of its products, but expressly declines any liability in the event of failure by the user to comply with the recommendations and conditions of use of said products, notably but not exclusively in the event of incorrect application, application by unqualified personnel, use of products not compatible with Conservation Technology's products or bad weather conditions. For further information, refer to the safety data sheet.

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