



URBAN SURFACE PROTECTION  
THE TOTAL SURFACE PROTECTOR

# USP-101

## SURFACE TREATMENT

### Product Description:

**USP-101** is an aqueous fluoropolymer dispersion. **USP-101** prevents ingress of most types of surface contamination, including water, oil and graffiti to porous wall, floor and roof building substrates.

### Uses:

A surface treatment for exterior and interior porous substrates, to prevent water and liquid ingress.

**USP-101** prevents airborne dirt and stains, including chewing gum from adhering to the surface. It has a good resistance to graffiti.

**USP-101** reduces surface degradation as atmospheric contaminants no longer stick to the surface.

**USP-101** resists moss and lichen formation.

**USP-101** will not alter the aesthetics of the treated surface (invisible protection) or change its colour. A treated surface will remain moisture vapour permeable.

**USP-101** prevents surfaces from deteriorating through repeated "Freeze/Thaw" cycles.

**USP-101** is suitable for ground surfaces with high levels of foot traffic.

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:

#### 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.





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

#### **APPLICATION INSTRUCTIONS:**

USP-101 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 “wet on wet”.

Re-application; Subsequent applications **MUST** be applied “wet on wet” within 10 minutes of previous application.

Once a fully treated surface is dry **USP-101** cannot be re-applied as there will be loss of adhesion.

Application/Limitations; Efflorescence must be treated with **USP-800** before application of **USP-101**.

**USP-101** 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 “wet on wet” 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.

#### **Recommendations/Curing:**

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

Curing, Treatment: Do not to apply **USP-101** 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.





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### 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

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**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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