



URBAN SURFACE PROTECTION
THE TOTAL SURFACE PROTECTOR

USP-600

CONCRETE REMOVER

Product Description:

USP-600 is for removing cement contamination from a wide range of substrates. It is formulated to clean concrete mixers, pumps and GRC moulds, cement silos, associated plant and tools.

USP-600 cement cleaner is ideal for regular cleaning of ready-mix concrete lorries and pumps, keeping them clean, without damaging paintwork.

USP-600 cement cleaner contains a naturally occurring, organic acid that breaks down the cement matrix surrounding the sand and aggregates in mortars, render, bricks and concrete. Breaking down this binder makes for the easy cleaning of mortar, render and concrete deposits from affected surfaces.

USP-600 has major benefits over other concrete and cement cleaners because it is significantly safer to use and does not attack the underlying surface.

USP-600 cement cleaner is made of an organic molecule, derived from sustainable farmed produce. It has no components subject to Workplace Exposure Limits (WEL).

USP-600 is 90% bio-degradable, final biodegradability is in line with 'easily degradable' under OECD 301 and European Regulation No.648/2004.

Performance

Cleaning rates depend on the temperature, thickness and age of the cement or concrete deposits (cement paste gets stronger with age). Effective within 40 mins of application. It is possible to remove all cement-based deposits by using an appropriate quantity of **USP-600**, without damaging the substrate.

Effect on plastic surfaces:

The result below is the average of 3 tests at 23°C, maintained for 48 hrs in an undisturbed solution. The product has no appreciable effect on the plastic type tested.

Weight Loss: % Of Original Weight	
PLASTIC TYPE	USP-600
Polypropylene	0.012%

Effect on painted surfaces:

The effect of **USP-600** on paint has been assessed on a visual basis, using coated metal plates. The results displayed are averages of 3 tests at 23°C, maintained for 48 hrs in an undisturbed solution of **USP-600**. Use of the product had no discernible, visual effect on the coatings tested.

Paint/Coating Type	Visual Change
Polyurethane coating	None
Vehicle paint (Cellulose)	None
2-Pack Epoxy	None





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Effect on Metallic Surfaces:

Results below are the average of 3 tests at 23°C, maintained for 48 hrs in undisturbed solutions of known concentration. In all cases, **USP-600** out-performs Hydrochloric Acid and Phosphoric Acid, which are commonly used in removing cement-based contamination.

Weight Loss: % Of Original Weight			
METAL TYPE	USP-600 (10%)	HCl (10% Acid)	H ₃ PO ₄ (10% Acid)
1018 Mild Steel	0.165%	2.053%	0.665%
304 Standard 18/8 Stainless Steel	0.007%	0.009%	0.012%
316 Austentic Stainless Steel	0.002%	0.512%	0.003%
1100 Aluminum Alloy	.008%	0.932%	1.426%

Uses:

USP-600 is a highly efficient cement and concrete remover, for the removal of cement and concrete without damaging equipment and surfaces, allowing, the easy removal of cement off metal, glass, rubber and paint substrates.

“Compliant” compared to other cement cleaners, promoting safer working practices. Non-flammable and non-volatile. 90% biodegradable. Does not harm plant and tools which are contaminated with cement based residues.

Packaging:

1, 5, 25 and 1000 ltr Units

Technical Data:

Physical state 20 °C: Liquid
Colour: Pale Yellow
Smell: Slight/mild
pH: 2-3
Density: 1.02 g/cm³
Solubility: Totally soluble
Flash point [° C]: Not Applicable
Biodegradability: Readily Biodegradable OECD-TG3-1
Coverage: 5-8 SqM/Ltr



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Directions for Use / Application:

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

Shake the closed container for 30 seconds before opening for use. Pre-wet the area to be treated with water.

Use **USP-600** cement remover directly from its container, do not dilute or mix with other products. Spray **USP-600** cement cleaner evenly over the contaminated area, using a low-pressure sprayer. A heavy application should be made when cleaning off cement and concrete residuals that are old and thick. Keep the surface soaked with **USP-600** cement remover for 30-40 minutes (refer to USP Ltd for any special cement cleaning requirements).

Do not allow the treated surface to dry out during the treatment stage.

After treatment, scrub treated area with a hard-bristle brush if necessary. Rinsing off thoroughly using a low-pressure water jet or spray.

Approved Applicator product training in ‘technology and application’ is provided by USP Ltd.

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 protection goggles as well as gloves and overalls. Avoid freezing conditions for application ie minimum of 5°C and rising. Avoid use in rain.

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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