

Product Data Sheet



PRODUCT DESCRIPTION

Contec USP-600 Concrete Remover 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.

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

Contec USP-600 Concrete Remover 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.

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

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

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

ADVANTAGES

Contec USP-600 Concrete Remover 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 contaminated with cement based residuals.

PACKAGING

1, 5, & 25 ltr Units



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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

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 **Contec USP-600 Concrete Remover** cement remover directly from its container, do not dilute or mix with other products.

Spray **Contec USP-600 Concrete Remover** 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 **Contec USP-600 Concrete Remover** cement remover for 30-40 minutes

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 with water using a low pressure water jet or spray.

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

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 & 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



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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 **Contec USP-600 Concrete Remover**, 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	Contec USP-600 Concrete Remover
Polypropylene	0.012%

Effect on painted surfaces:

The effect of **Contec USP-600 Concrete Remover** 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 **Contec USP-600 Concrete Remover**. 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

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, **Contec USP-600 Concrete Remover** 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 Eco (10%)	HCl (10% Acid)	H3PO4 (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%

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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