

OPGUARD

C10

SURFACE PREPARATION

ADHESION AGENT

ACID-FREE

BIODEGRADABLE

LOW ODOUR

SECURE

C10

Description:

C10 Surface Prep is a blend of organic salts, surfactants, corrosion inhibitors and organic acid. Its composition makes it safer and even more ecological. It can be used to prepare the surface of concrete and masonry units prior to the application of protective coatings, or before final delivery of a project. It has been specifically designed to clean concrete and clay surfaces on site or in the factory.

Cleaning with C10 Surface Prep reduces the risk of injury from exposure to strong acid-based detergents (hydrochloric, phosphoric, etc.), as well as damage to materials around the surface to be cleaned (anodized aluminum, galvanized steel, glass, plaster, etc.). What's more, thanks to its formulation, Surface Preparer C10 is ideal for neutralizing colored concrete surfaces (black, white, anthracite, etc.) when efflorescence is pushing through. This formulation also removes laitance and polymer sand residues from the surface of concrete substrates to give the desired shine. When used as recommended, C10 Surface Preparer melts efflorescence salts on the surface while allowing the problem to be treated in depth.

Technical data :

Physical state: liquid

Color: clear beige

Odour: low density (kg/l): 1.15 - 1.17 ph: <1

Cov: not applicable

Melting point (0°C) : <0

Boiling point (0°C) : ≈ 100

Solubility in water : complete

Available Sizes :

Pint : 946ml

Gallon : 3.78L

5 Gallons : 18.9L

Restriction:

Before any large-scale handling, a test on a small part of the substrate must be carried out. C10 is not designed for cleaning metal parts. Work in the shade if possible. Do not work in direct sunlight. Can damage galvanized steel, other metals and alkaline coatings. Do not use to clean stone with a polished finish. Cleaning with too high a

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concentration and too many successive cleanings can damage the surface finish. Start work or cleaning tests 7 days after installation of the surface to be cleaned. Do not clean substrates at temperatures below 5°C, including those of the substrate, or when frost is expected within 24hrs of cleaning. Ensure that all other components installed in the vicinity of the support to be cleaned have undergone their full cure.

Sampling:

Before you start cleaning the entire project, perform a cleaning sample on a small or inconspicuous part of the substrate to be treated. A sample of 1 square meter is recommended. Following the cleaning test, leave the surface to dry for 3 to 7 days, depending on the weather and outside temperature. You can then evaluate the results of the cleaning test.

Dilutions:

First, make sure you dilute in a contaminant-free plastic container. The water used in the dilution process must also be free of contaminants. Wear personal protective equipment as described on the MSDS when handling. Before diluting the product, be sure to determine the nature of the surface to be cleaned. Depending on sampling, readjustment of dilution may be necessary. If several types of substrate are available on the same surface, please refer to the lowest concentration.

Clay brick or paving stone : 1 part water to 2 parts detergent
Pressed concrete brick or paver: 1 part water to 2 to 3 parts detergent
Cast concrete brick or stone: 1 part water to 2 to 3 parts detergent
Non-alkaline natural stone: 1 part water to 2 parts detergent
Alkaline natural stone: 1 part water to 2 to 3 parts detergent

Application:

Following the sampling previously carried out.

1. Saturate substrate with water
2. Using a brush or low-pressure sprayer, apply the diluted C10 surface preparation solution according to recommendations, tests and results obtained. Make sure the application covers the entire area to be cleaned uniformly.
3. Reaction time on the substrate may vary from 2 to 5 minutes. Be sure to keep the substrate moist. Do not allow the solution to dry on the substrate. Allowing the detergent to dry on the substrate may result in staining.
4. During the soaking time, to remove heavier residues, you can scrub them off with a brush, wooden spatula, scrubbing stone, or simply a substrate residue of the same type as the one on site. Try as far as possible to remove all residues in a single application, to avoid overloading the substrate and damaging the finish.
5. Use clean, contaminant-free water to remove and rinse off solution and unwanted residue. You can use a garden hose or a pressure washer with a 40° nozzle at a minimum distance of 20 cm. Only use the pressure washer to rinse the substrate. Excessive pressure applied to the surface could result in permanent damage to the surface. Never forget to rinse the entire wall thoroughly, so as not to allow the solution to penetrate the substrate. This could result in the appearance of streaks or discoloration.

Efflorescence:

First, find the source (reason) of the efflorescence. Repair this source before neutralizing the efflorescence with C10 Surface Preparer.

Depending on the type of substrate, it's important to distinguish between efflorescence, laitance and limescale. Chalky deposits are generally more difficult to remove.

1. Remove as much efflorescence or scale as possible, using a synthetic or natural bristle brush or a wooden spatula.
2. Pre-wet the surface to be neutralized.
3. Use the pre-diluted solution according to the recommendations for your type of surface and apply the solution to the efflorescence.
4. Leave to act for 3 to 5 minutes.
5. Rinse surface thoroughly with plenty of water to remove any detergent residue.

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6. Allow the surface to dry to judge the result.

7. If efflorescence remains, repeat the cleaning steps. Bear in mind that repeated applications of detergent can damage the substrate.

Then, if necessary, waterproof the surface with one of our available products. Nettoyage du matériel :

Nettoyer les outils d'application à l'eau savonneuse.

Consumption:

Clay brick or block: 50 to 80 p2 per liter

Pressed concrete brick or paving stone: 60 to 90 p2 per liter

Cast concrete brick or stone: 60-90 p2 per liter

Non-alkaline natural stone: 50 to 80 p2 per liter

Alkaline natural stone: 60 to 90 p2 per liter

These values are for guidance only and may vary according to the material, porosity and age of the substrate.

Storage :

Protect from freezing.

In temperatures ranging from 50c to 300c, and in the sealed delivery container, C10 surface improver can be stored for 1 year.

Health and safety :



Caution! Causes skin irritation. Causes severe eye irritation. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easily removable. Continue rinsing. Specific treatment (see additional first-aid instructions on this label). If skin irritation occurs: Consult a physician. If eye irritation persists: Consult a physician. Remove contaminated clothing and wash before reuse.

Technical support :

For further information, please consult our customer service department.

www.opguard.com

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