

Corrotard CSR

Concrete surface retarder

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Product Features

Corrotard CSR is a single component, liquid applied blend of organic materials and plant extracts, designed to be applied directly onto new concrete surfaces or formwork, such that when the formwork is removed, the surface is simply power washed to reveal an exposed aggregate finish.

Corrotard CSR is easy to use, environmentally friendly and reduces the risk of long term personal injury, particularly from mechanical preparation to construction joints.

Typical Uses

Corrotard CSR is typically used to provide an exposed aggregate finish to concrete, particularly where mechanical preparation of construction joints is difficult or impractical.

Technical Data		
Properties	Test Standards	Typical Values
Specific gravity	ASTM D 1475	: 1.10 ± 0.02
pH		: > 8
Surface retardation		: 1.5 - 5 mm (depends on application rate and concrete mix design)

Note: All values given are subject to 5 - 10% tolerance.

Directions for Use

Preparation

Concrete formwork

Ensure the formwork surfaces are clean and free from contamination such as release agents, dust, oil, grease & organic growth.

New fresh concrete

Ensure no bleed water is present, prior to the application of **Corrotard CSR**.

Priming

No priming is required for this product.

Mixing

Stir the material thoroughly to mix any solid materials that may have settled at the bottom of the packaging, until a homogenous consistency is achieved.

Application

Concrete formwork

Apply **Corrotard CSR** using brushes, rollers or low pressure spray equipment onto the formwork surface in a continuous uniform coating, to a theoretical coverage rate of 4 - 6 m² per litre.

Allow the concrete to cure sufficiently to strike the formwork, then once the formwork is removed, immediately power wash the concrete surface with copious amounts of water at high pressure to remove the retarded surface and expose the aggregate.

New fresh concrete

Apply **Corrotard CSR** using low pressure spray equipment directly onto the fresh concrete surface in a continuous uniform coating, to a theoretical coverage rate of 4 - 6 m² per litre.

Allow the concrete to cure for approximately 24 – 48 hours, then immediately power wash the concrete surface with copious amounts of water at high pressure to remove the retarded surface and expose the aggregate.

Curing

Curing is essential for all exposed concrete surfaces to prevent possible shrinkage cracks and ensure the performance characteristics are achieved.

We recommend applying one of the **Corrocure** range to all exposed concrete surfaces immediately after initial hardening or removal of any formwork, including areas treated with **Corrotard CSR**, unless they are deemed as construction joints.

Hot weather conditions

For application above 40°C we recommend adopting the following guidelines:

Store materials in a cool preferably air conditioned environment.

Avoid exposure of materials to direct sunlight.

Keep equipment that will be in contact with the product cool and away from direct sunlight.

Avoid application during the hottest time of day.

Cleaning

Clean tools and equipment immediately after use with water.

Limitations

Substrate temperatures should be above 5°C and rising.

For application in temperatures above 40°C please refer to hot weather condition recommendations.

Avoid application if the work area may be subject to the onset of rain or moving water.

All products should be used within the pot life. Materials not

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used within the specified time should be discarded.

The product should not be thinned with any type of solvent under any circumstances.

If the above general application details do not meet with your requirements, please contact Corrotech for a project specific method statement.

Estimating

Corrotard CSR pack size: 200 litre drums. Coverage rate approximately 4 - 6 m² per litre

All coverage rates given are theoretical and subject to actual site conditions. We recommend trial areas are done to establish practical consumption.

Health & Safety

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes.

Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice.

If swallowed, seek medical attention immediately. Do not induce vomiting.

Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces.

Do not expose products to fire or naked flames under any circumstances.

Always refer to the product Material Safety Data Sheet (MSDS) for full health & safety and handling recommendations.

Storage

Corrotard CSR has a maximum shelf life of 12 months from the date of manufacture.

To maximize shelf life always store products in their original, unopened packaging in a dry environment, away from direct sunlight with a minimum temperature of 10°C.

Damaged packaging, high humidity or extreme temperatures may reduce the shelf life.