

Corroprufe CC

Waterproofing mortar, non-toxic, interior and exterior use

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Product Features

Corroprufe CC is a ready-to-mix hydraulic water-repellent micro-mortar for the protection of masonry and concrete structures.

Typical Uses

Corroprufe CC is typically used to waterproof sunken masonry and concrete substrates in internal or external applications such as potable & storm water tanks, reservoirs, basements, underground structures, foundations, cellar walls and silos.

Technical Data	
Appearance	: grey or white powder
Particle size	: 0.1 - 0.5 mm
Wet Density	: 1.8 ± 0.1 kg per litre
Pot life	: 30 minutes at 20°C
Recoat time	: 8 - 24 hours or according to ambient conditions
Water ratio	: 22 - 24% (5.5 - 6 litres of water per 25 kg bag)
Colours	: grey or white
Compressive strength test, BS EN 196 @ 28 days	: 10 N/mm ²

Directions for Use

Substrate Preparation

Concrete

The substrate must be clean, sound, dust-free and without any traces of oil. All loose parts must be raked out.

Render honeycomb and bubbles, fill cracks and hollow joints.

Where repairs are required Lanko 731 repair mortar should be used.

Make a chamfer at floor wall ceiling re-entrant angles.

The substrate must be damp, but not running with water, during application.

Long term durability and function can only be achieved with good preparation to give a strong adhesive & mechanical bond to the substrate.

New concrete should be fully cured with a maximum residual relative humidity (RH) of 75%.

Prepare concrete surfaces preferably by mechanical methods such as angle grinding to remove laitance, curing compounds and other loose materials to provide a mechanical key for **Corroprufe CC**.

Thoroughly soak concrete substrates with clean water for at least 1 - 2 hours, removing standing and excess water prior to the application of **Corroprufe CC**.

Priming

Concrete

Priming is not normally required however please ensure the substrate is pre-soaked, clean, sound and free from contamination.

Mixing

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.

Mix one 25 kg bag of **Corroprufe CC** with 5.5 - 6 litres of clean water (i.e. 22 - 24% water content) until evenly distributed.

On shuttered concrete or smooth surfaces, the surface may be mechanically hardened or add **Corrobond SBR** bonding agent on the basis of 1.5 litres per 25 kg bag of **Corroprufe CC**.

Leave the mixture to stand for several minutes prior to application.

Application

Apply the first coat with a medium brush or trowel at the rate of 1 - 1.5 kg/m².

A glass fibre mesh should be embedded upon applying the first coat on the corners and pipe penetrations on a 10 x 10 cm basis.

Allow a drying time of 8 to 24 hours, or according to ambient conditions.

Dampen the first coat prior to application of the second coat.

Apply the second coat crosswise at the rate of 1 - 1.5 kg/m².

Please contact the Corrotech office for the contact details of specialist applicators for this product.

Curing

No special curing for **Corroprufe CC** is necessary.

Hot Weather Conditions

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

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Avoid exposure of mixed & unmixed 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 & equipment immediately after use with detergent and 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.

Do not part mix under any circumstances.

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

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

Estimating

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

Corroprufe CC pack size: 25 kg bags. Coverage rate approximately 2 – 3 kg per m²

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.

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

Storage

Corroprufe CC 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 but not exceeding 35°C.

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