

CDM 190 - Corroplast HP

Hydrophobic premix plaster

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Product Features

Corroplast HP is a cementitious ready mix hydrophobic plaster, used to carry out traditional plastering works in a clean and efficient manner, while keeping a homogeneous mix. Due to its high additive content, it allows for better shrinkage control as well as good workability and curing.

Corroplast HP has very good water resistance and optimum mechanical properties.

Typical Uses

Corroplast HP is recommended for both internal and external plastering of concrete blocks, AAC blocks, concrete surfaces and on ceilings. **Corroplast HP** can be applied traditionally by hand or by using modern plaster spraying machines. It should not be used on painted surfaces.

Technical Data	
Appearance	: Grey color powder form
Composition	: Portland cement, select crushed aggregates and specific additives
Grain size	: 0 to 1.7 mm
Water ratio	: 16 to 18 %
Wet density	: 1.7 ± 0.10 kg/l
Wet mix life	: < 2 hours @ 20°C
Wet Volume	: 650 l/ton
Working time	: approx 60 minutes
Compressive strength	: 5 N/mm ²
Flexural strength	: 1 N/mm ²
Applicable Standards	: ASTM C926, C897, BS EN 196, BS5262, BS5492
Consumption	: Approximately 1.7 kg per m ² at 1 mm thickness
Packaging	: 40 kg

Directions for Use

Preparation

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

All substrates must be clean, sound, dust free, and free from all traces of oil and chemicals.

The surface has to be dampened with potable water before application.

Corroplast HP is recommended to be applied directly on block works without using rush coat. However, **Corroplast Keycoat N** or **Corroplast Keycoat MS** are recommended to be applied on smooth concrete prior to the application of **Corroplast HP**.

Mixing

Mix manually or mechanically a 40 kg bag of **Corroplast HP** with 6.5 - 7 litres of potable water until homogeneous paste is obtained. Leave the mix a few minutes.

If a spraying machine is used, mixing is carried out automatically.

Application

The plaster is now ready for application by machine or manually with a plastering trowel. Apply the plaster on the prepared surface at a thickness between 10 and 20 mm in one layer on concrete blocks and in 2 layers on AAC blocks.

If more thickness is required, the application should be done in 2 layers. Leave the first layer rough, allow to cure and apply the second layer within 48 hours after the first one.

Finish the surface with a soft synthetic sponge or wooden/plastic float.

Let the product set properly on the surface before any curing.

Curing

Protect the **Corroplast HP** from direct sunshine and wind.

The new plaster has to be cured with water for at least three days by spraying 3 to 4 times daily.

Cleaning

Clean tools and equipment immediately after use with detergent and water.

Estimating

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

Corroplast HP is available in 40 kg bag. Coverage rate approximately 1.7 kg per m² @ 1 mm thickness.

Limitations

Substrate temperatures should be above 5°C and rising.

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

Do not part mix under any circumstances.

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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 CCCDrymix for a project specific method statement.

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

Corroplast HP 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 45°C.

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

Warranty

The raw materials used in manufacturing are of high quality. However, weather and ambient temperatures, amount of water added, preparation and conditions of base coat, as well as care exercised in application, are factors over which we have no control. We assume no warranty for finished work, either expressed or implied.