

CDM 260 - Corroplast Keycoat MS

Reference No.	TDS / 200 / CPKCMS
Issue Date:	December 2018
Revision No.	3

Ready mixed mortar for surface preparation

Product Features

Corroplast Keycoat MS is a dry mixed mortar based on special polymers used for preparing surfaces before rendering. It improves the adhesion of new plaster or render, applied on the concrete surface with micro silica or GGBS.

Corroplast Keycoat MS has excellent workability, durability and good adhesion to the structure. It also eliminates hacking of the concrete.

Typical Uses

Corroplast Keycoat MS is used for surface preparation before rendering over concrete surfaces with micro silica or concrete with GGBS.

Technical Data

Appearance	: Grey powder form
Composition	: Portland cement, select crushed aggregates and special additives
Grain size	: 0 to 3 mm
Mixing ratio	: 8 – 9 litres per 40 kg bag (20 – 22%)
Wet Volume	: 610 litres/ton
Wet Density	: 2 Kg/l
Working time	: approx 60 minutes
Consumption	: Approx. 2 kg/m ² /mm
Compressive strength	: 15 N/mm ²
Flexural strength	: 3 N/mm ²
Adhesion strength	: >1.5 N/mm ²
Applicable Standards	: ASTM C932 ASTM C926, C897, BS EN 196, BS 1881 Part 207, BS 5262, BS 5492.

Directions for Use

Preparation

Substrate must be clean, sound, dust free and free from all traces of oil, paint or dirt.

The substrate must be dampened a few hours before application.

Residues of curing agents and mould release agents on substrate may affect the bond between the product and substrate.

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.

Accurately measure 8 - 9 litres of drinking quality water and place in a suitable empty container with sufficient volume to accommodate the mixed material.

Slowly add the 40 kg bag of **Corroplast Keycoat MS** powder to the water and mix continuously using a slow speed drill and paddle or forced action mixer, until a homogenous consistency is achieved. This is typically 3 – 4 minutes.

No additional water should be used as this will change the performance of the mixed material.

Application

The **Corroplast Keycoat MS** can be applied traditionally by hand using a Tyrolean or Flicker box.

Curing

Protect the new surface applied from sunshine and wind.

The **Corroplast Keycoat MS** has to be cured with water for at least two days by spraying 3 to 4 times a day.

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 Keycoat MS is available in 40 kg bag. Coverage rate 2 kg per m² at 1 mm thickness.

Limitations

Ambient and surface temperature must be between +5°C and +45°C during application and drying time.

For more information on handling this product refer to its Material Safety Data Sheet (MSDS)

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.

CDM 260 - Corroplast Keycoat MS

Ready mixed mortar for surface preparation

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 Keycoat MS 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.