

MasterCrete 5135

Rapid-setting cementitious feather finish fairing mortar

Material Description

MasterCrete 5135 is a rapid-setting, ready-to-use, aggregate-free fairing mortar based on polymer modified cement-based which contains no chlorides or other salts that might cause corrosion or blooming. It used to finish and smooth a variety of surfaces including concrete, underlayments, ceramic/quarry tiles, terrazzo and adhesives. Combined with water, **MasterCrete 5135** mixes to a creamy smooth consistency for ease of application.

Areas of Application

- Skim coating and smoothing rough concrete
- For filling minor voids, honeycombs and pin holes for non-structural concrete and underlayments
- Levelling and smoothing uneven surfaces.
- Levelling and filling embossed sheet goods
- Skim coating over ceramic tile
- Skim coating over adhesive residue or membranes that are thin, well bonded, structurally sound and non-water soluble

Characteristics & Benefits

- Multi-purpose – allows thin layer patching and feather edging.
- Strong adhesion – bonds permanently to existing concrete.
- Rapid setting – downtime is minimised for lower installed cost.
- Compatible with most flooring adhesives – one product for numerous applications.
- Can be feather-edged – high coverage rates yield lower overall material costs.
- No priming – extra steps and time are eliminated.
- One-component polymer modified – only water is needed for mixing.

Properties

Supply form	powder
Water added	1 litre per 2L of powder
Thickness range	0-13mm
Colour	Off white
Storage temperature	5-35°C
Application temperature	not below 10°C
Working time at 20°C at 30°C	20 minutes 15 minutes
VOC content: Test method: SCAQMD 304-91	18 g/L

Application

For detailed application methodology, please refer to: **“Cementitious Concrete Repair, MasterCrete Mortars”** Application Guide.

Surface Preparation

Remove all grease, oil, dust, residual curing compound, mould release agent or other contaminant that could impair adhesion. Cement laitance, oil, grease, mould release oil or curing compound must be removed from concrete surfaces by using wire brush, bush hammer, scabblers, gritblasting or other means to leave the concrete surface profile with an ICRI 310.2R CSP of 1 to 3. Spalled or deteriorated concrete should be repaired with a suitable MasterCrete mortar prior to the application of MasterCrete 5135.

Do not use in areas of constant or intermittent water exposure. Do not apply over pressboard, gypsum-based substrates, or similar unstable substrates.

Subfloors to receive **MasterCrete 5135** must be a minimum 10°C and must be free of surface moisture.

Mixing

The mixing ratio is two parts **MasterCrete 5135** to one part water by volume to preferred consistency.

In a clean mixing container pour approximately enough powder to place in 20 minutes. Add water while slowly mixing with a margin trowel or jiffy mixer. Vigorously mix to a smooth, lump-free consistency.



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NOTE: Mechanical mixing with a portable drill and Jiffy mixer at low RPM (300-600) will produce a creamier (fluffy) and smoother consistency.
To mix an entire bag, use approximately 6.4 litres water with a 12 kg unit.

Application

Priming is not required except for SSD (saturated surface dry). Steel trowel to desired thickness and finish, making sure product is properly keyed into subfloor substrate. Apply enough pressure to fill all voids and defects. Feather out where a seamless interface is desired. **MasterCrete 5135** may be applied from featheredge to 13 mm in thickness. **MasterCrete 5135** does not require a minimum thickness. Use the least amount of material to achieve the desired surface smoothness. Pot life is 15 to 20 minutes at 21°C. Pot life will vary with ambient and substrate temperature. When setting in the pail, MasterCrete 5135 may be re-tempered only through remixing.
NOTE: DO NOT RETEMPER WITH ADDITIONAL WATER.

Disclaimer

Estimating Data

A 12 kg unit yields 24 litres and covers approx: up to 24 square metres.

MasterCrete 5135 12kg				
1 kg powder	Thickness in mm /m ²	m ³	bags /m ³	m ² /mm thickness
2L	24mm	(0.024)	42	24 m ²

Packaging

MasterCrete 5135 is available in 12kg bags.

Storage & Shelf Life

Containers should be stored tightly sealed in a dry place. MasterCrete 5135 has a shelf life of 6 months.

Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.

MasterCrete-5135 -ANZ-VI-1224

STATEMENT OF RESPONSIBILITY

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