

Cemcrete's MatFlex Datasheet

November 2025

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Cemcrete's **MatFlex** is a two-component polymer-modified, cement-based flexible waterproofing coating designed to protect concrete structures and is supplied as a ready-to-use kit.

Technical Data

Type	Modified cement-based coating
Colour	Grey
Pot life	30 minutes at 30°C
Working time after mixing	30 minutes at 30°C
Initial set	40 to 60 minutes, depending on weather
Mixing water temperature	Supplied as twin-pack - mix both components together
Mixing liquid temperature	5°C to 25°C
Application temperature (ambient)	5°C to 25°C
Surface temperature	5°C to 25°C
Min application thickness	1mm
Max application thickness	2mm
Protection during application	Shield from wind and direct sunlight

Purpose

Cemcrete's **MatFlex** is formulated to provide a flexible, cementitious waterproofing layer that adheres directly to concrete, brick and plastered surfaces. It protects and seals structures such as silo exteriors, concrete tanks, containers, water reservoirs, and both internal and external areas of new or existing buildings. Typical applications include bathrooms, showers, rising damp-affected walls, balconies, boundary walls, and terraces.

Benefits

- Bridges hairline cracks of up to 0.3mm in width.
- No priming required & is self-curing.
- Requires only two coats with no reinforcement required, except in 90° corners.
- Easy to apply – ideal for DIY projects.
- Effective under both positive and negative water pressure.
- Safe for use in potable water systems.
- Excellent adhesion.
- Stable in freeze / thaw environments.
- Can be left exposed as a final surface finish.
- Suitable for tiling over or can be painted with a high-quality PVA acrylic paint.
- Suitable for brush and spray applications.

Uses

- Ideal for waterproofing bathrooms, showers, balconies and terraces.
- Treating rising damp in walls.
- Suitable for interiors and exteriors of water-retaining structures such as reservoirs, tanks and containers.
- Suitable for new and existing buildings.
- Protects silos and off-shutter concrete from water ingress and spalling.

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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Limitations

- Do not apply if freezing temperatures or rain are expected within 24 hours.
- Not compatible with substrates such as IBR, zinc roof tiles, unprimed Gypsum etc.
- **Cemcrete's MatFlex** must be overcoated within 4-6 hours, ensuring the surface is dry; overcoating beyond 6 hours is not recommended.
- Blowholes less than 1mm in width can be overcoated with **Cemcrete's MatFlex**.
- Cracks up to 0.3mm in width can be overcoated with **Cemcrete's MatFlex**, provided the crack is not dynamic.
- Cracks larger than 0.3mm should be chased to a width of 4mm wide and a depth of 15mm, and then filled with **Cemcrete's MatFlex** mixed to a thicker consistency. Once the repair is hard, the overcoating process can commence.

Suitable Surfaces

Concrete, cement, flush jointed clay and cement bricks, and plastered walls.

Specifying

Pre-dampen the clean, hard and integrally sound cement or brick surface with water (surface should be saturated but appear "dry", and not glistening wet). Apply the first coat of **Cemcrete's MatFlex** using a large paintbrush or a suitable sprayer. Allow the first coat to dry for at least 4 hours before applying the second coat.

Site Work

Storage

Cemcrete's MatFlex has a shelf life of 6 months if kept in a cool, dry place in the original packaging. Store on pallets off the ground. Do not expose the product to any freezing conditions during storage.

Weather

Protect work from rain for 12 hours and frost for 24 hours.

Surface Preparation

Ensure all cracks, holes, and loose areas are properly repaired before application. Surfaces must be structurally sound and free from grease, oil, wax, wallpaper glue, dust, or any other contaminants that may interfere with adhesion. If the surface is painted, all paint must be completely removed back to the plaster. The substrate must be sound, stable, and well-bonded to ensure proper adhesion of the waterproofing slurry. If necessary, scrub the surface with a suitable concrete degreaser and rinse thoroughly with clean water. Allow the surface to dry completely before applying the product. Newly plastered walls must cure for 21 days, and newly laid floors for 28 days.

Mixing

Remove the liquid component from the packaging and pour contents into a clean 20 litre bucket. Gradually add the powder component while stirring with a paddle mixer. It is imperative to ensure the mix is lump-free. Mix for approximately 3 minutes to ensure all additives are properly dispersed.

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Application

Thoroughly pre-dampen the substrate with water only using a pump-up sprayer. The amount of dampening required will vary depending on the porosity of the surface. As soon as the water has soaked in, painting can commence. Note, any excess or glistening water must be removed, or given time to penetrate the wall, before starting. Maintain a wet edge throughout the application.

Apply the first coat to a coating thickness of 1mm and allow to dry for at least 4 hours. Once suitably dry, apply the second coat. NOTE: Never add more water to the mixed material. The surface can be pre-dampened but should not be wet prior to applying the second coat to ensure an even application. Refer to the **Weather** section for completed work.

Reinforcement with Cemcrete's Polypropylene Membrane

Cemcrete's Polypropylene Membrane may be incorporated to reinforce the **Cemcrete's MatFlex** at joints and cracks, as well as at 90° floor and wall junctions. The membrane should be saturated with **Cemcrete's MatFlex** and embedded into the first coat while still wet. Immediately after placing the membrane, apply an additional thin coat of **Cemcrete's MatFlex** to further 'wet' out the membrane. Allow the first coat to set before applying the second coat.

Cleaning

Immediately after the application, clean off all equipment with clean water.

Curing

Allow to air cure for at least 3 days. If temperatures are lower than 20°C the curing time may increase.

Do not mist spray or apply any curing membranes.

Finishing

Cemcrete's MatFlex can be painted or tiled once the second coat has fully cured. If the surface is to remain exposed, it must be sealed with a film-forming sealer.

Coverage

15kg kit will cover approximately 5m² for two coats at 1mm thickness per coat.

Packaging

15kg twin-pack drum.

Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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