

Corrofloor MMA Flexible Bodycoat

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Product Features

Corrofloor MMA Flexible Bodycoat is a 2 component, 100% reactive methyl methacrylate overlay and coating resin for use within the Corrofloor MMA floor systems. **Corrofloor MMA Flexible Bodycoat** is ideal for roller applied coatings exterior applications including road surface and parking decks along with decorative flake or quartz flooring systems. **Corrofloor MMA Flexible Bodycoat** can also be mixed with the **Corrofloor MMA SL Filler** to create a self-levelling formulation that reduces application time. **Corrofloor MMA Flexible Bodycoat** is a transparent resin that can be pigmented using the Pigment for use within the Corrofloor MMA system. **Corrofloor MMA Flexible Bodycoat** can also be used as flexible joint filler.

Corrofloor MMA Flexible Bodycoat can be used for both interior and exterior applications. It has excellent skid-resistance and waterproof properties.

Typical Uses

Used as Flexible Bodycoat within the following **Corrofloor MMA flooring systems**:

- Aggregate broadcast, Colour Quartz and Pigmented Systems.
- Traffic Deck, Bridge Deck Overlay, Self-levelling Systems and Roll Coat Systems.

Places used:

- Mechanical Rooms
- Auto Bays
- Refrigerator and freezer applications
- Canteens
- Hotels
- Schools
- Food Factories
- Hospitals
- Industrial units

Every **Corrofloor MMA systems** is a multiple component system that utilizes a methyl methacrylate (MMA) resin. It is critical that the instructions listed in the material safety data sheet and on the product label for every component of the system be read, understood and followed. Suitable safe ventilation must be used during the application to minimize vapour collection in the installation area and to improve overall air quality for the crew. All foodstuffs must be removed during installation of the flooring system.

Technical Data

Properties	Test Standards	Typical Values
Appearance		: Clear with bluish tint
Components		: Resin plus Corrofloor MMA Powder Hardener and Fillers and Pigment as required
Recommended thickness		: 1.5 mm - 9.5 mm
Coats		: One
VOC		: None
Applied over		: concrete, wood, metal and tile
Primer		: Corrofloor MMA Primer
Method		: Trowel, rake or roller
Pot life		: 7 – 15 minutes
Min recoat		: 30 – 60 minutes
Max recoat		: none
Cure time		: 60 minutes (full cure)
Temperature		: -29°C – 40°C
		: see mixing chart
Percentage of reactive resin		: 100%
Water absorption (%24 hours)	ASTM D570	: <0.1%
Tensile strength	ASTM D638	: 8 N/mm ² 5 N/mm ² (filled)
Elongation at break	ASTM D638	: 220 - 300%
Hardness (Shore D)	ASTM D2240	: 45
Viscosity	ASTM D2392	: 1100 - 1300 cps
Flexural strength	ASTM C580 mod	: 9 - 10 N/mm ² (filled)
Compressive strength		: 16 - 20 N/mm ² (filled)

Note: All values given are subject to 5 - 10% tolerance.

Directions for Use

Following preparation and priming using **Corrofloor MMA Primer** the suitable **Corrofloor MMA Bodycoat** is applied neat or using **Corrofloor MMA Filler** to thicken and pigment.

Mixing

Mix the required MMA resin with the powder hardener supplied. The ratio is dependent on temperature. Please ask the CCC Technical Department for advice or obtain the mixing charts. Only mix enough resin and hardener that can be applied in the timeframe before cure of the product.

Application

In a self-levelling system, 5.6 litres of **Corrofloor MMA Bodycoat** resin is combined with 18 kg bag of Corrofloor SL Filler and pigmented to yield coverage rate of approximately 4 m² at 3 mm thickness.

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Corrofloor MMA Bodycoat is applied onto the primed surface using a medium nap roller, brush or squeegee. Immediately following application either blend the **Corrofloor MMA Bodycoat** with a quartz aggregate or a blend of colour flake as desired. When cured the system must be coated with one or two coats **Corrofloor MMA Topcoat**.

Estimating

Corrofloor MMA Flexible Bodycoat: 20 litres. Drum packaging available. Coverage rate: 0.8 litre/m².

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.

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

Corrofloor MMA Flexible Bodycoat has a 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.

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