

Corrofloor MMA Bodycoat

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Product Features

Corrofloor MMA Bodycoat is a 2 component, 100% reactive methyl methacrylate for use within the Corrofloor MMA system. **Corrofloor MMA Bodycoat** is ideal for roller applied MMA coatings and decorative flake or quartz flooring systems. **Corrofloor MMA Bodycoat** can also be mixed with the **Corrofloor MMA Filler** to create a self-levelling formulation that reduces application time. **Corrofloor MMA Bodycoat** is a transparent resin that can be pigmented using the Corrofloor Pigment for use within the Corrofloor MMA system.

Typical Uses

Used as a bodycoat within the following **Corrofloor MMA flooring systems**:

- Colour flake, coloured quartz and pigmented Corrofloor systems.
- Self-levelling systems and roll coat systems.

Typical uses:

- Kitchens
- Hotels
- Schools
- Food and beverage factories
- Hospitals
- Industrial units
- Car parks
- Stadiums

Every **Corrofloor MMA flooring system** 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 installers. 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) Bodycoat		: 400 microns
2) Self-leveling		: 1.5 - 3 mm
VOC		: none
Primer		: Corrofloor MMA Primer
Method		: Trowel, rake or roller

Max recoat		: none
Application temperature		: -29°C > 40°C
Percentage of reactive resin		: 100%
Water absorbtion (%24 hours)	ASTM D570	: <0.1%
Tensile strength	ASTM D638	: 7.5 N/mm ² 10 N/mm ² (filled)
Elongation at break	ASTM D638	: 34%
Hardness (Shore D)	ASTM D2240	: 70
Viscosity	ASTM D2392	: 220-300 cps
Compressive strength		: 41 - 55 N/mm ² (filled)

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

Direction 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. Only mix enough resin and hardener that can be applied in the time frame before cure of the product.

BPO hardener quantities for Corrofloor MMA Bodycoat			
Temperature [°C]	Hardener [w/w %]	Pot life [min]	Curing time [min]
+5	4.5	appr. 40	appr. 70
+10	3.0	appr. 35	appr. 75
+20	2.0	appr. 15	appr. 35
+30	1.0	appr. 25	appr. 70

Application

If a self-leveling system is required add 5.6 litres of **Corrofloor MMA Bodycoat** resin combined with 18 kg bag of **Corrofloor SL Filler** to yield coverage rate of approximately 4 m² at 3 mm thickness.

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 of **Corrofloor MMA Topcoat**.

Estimating

Corrofloor MMA Bodycoat: 20 litres. Drum packaging available. Coverage rate: 2.5 m²/litres.

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.

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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 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.