

IKO POLIMAR FCS WEAR COURSE

PRODUCT INFORMATION

IKO Polimar FCS Wear Course is a flexible self-levelling mortar for areas such as roof terraces, balconies and multi-storey car parks.

In IKO Polimar FCS waterproofing systems it serves as protection for the waterproofing layer. When used in surfacing systems it is applied as a thick film coating.

These products must be used in conjunction with **IKO Polimar FCS Catalyst**.

	Product Code
IKO Polimar FCS Wear Course Sand	MW75005A
IKO Polimar FCS Wear Course Resin	MW75005B



USE

IKO Polimar FCS Wear Course is used as a protective layer, thick-film coating or equalising mortar. As part of IKO Polimar FCS waterproofing systems it protects the waterproofing layer against the impact of traffic on account of its load-distributing effect (protective layer).

In the case of areas subject to mechanical loads and that are either free from cracks or have only hairline cracks, it is used as a thick-film coating without the waterproofing layer. Furthermore it is used as an equalising mortar under IKO Polimar FCS waterproofing systems to level out areas of damage with up to 10mm height differences.

PERFORMANCE & COMPOSITION

IKO Polimar FCS Wear Course Sand

Composition:	Kiln dried quartz sand
Form:	Sand
Weight:	23kg
Density:	2.61g/cm ³

IKO Polimar FCS Wear Course Resin

Composition:	PMMA Resin
Form:	Resin
Weight:	10kg
Consumption Rates:	4Kg/m ²
Density:	1.00g/cm ³

DIRECTIONS FOR USE

STORAGE

Store **IKO Polimar FCS Wear Course Sand** in its original packaging, in a dry place and protect from moisture.

Store **IKO Polimar FCS Wear Course Resin** sealed in their original airtight container and in a cool, dry and frost-free place at a minimum temperature of 3°C. The unopened product has a shelf life of at least 6 months after delivery. Direct sunlight on the containers should be avoided, including on site.

APPLICATION CONDITIONS

Application can proceed when the air temperature is between +3°C and +35°C however the substrate temperature must be at least 3°C above the dew point during application and curing.

Do not undertake in wet or windy conditions. Suspend work in severe or continuously wet weather unless effective temporary covering is provided.

Relative humidity must be ≤ 90% and the surface to be coated must be suitably prepared, dry and ice-free. The surface must be protected from moisture until the coating has hardened.

SUBSTRATE PREPARATION

IKO Polimar FCS Wear Course is applied to a cured and hardened **IKO Polimar FCS Waterproofing** layer.

MIXING

The **IKO Polimar FCS Wear Course Resin** (10kg) component should be thoroughly mixed to ensure incorporation of any settled out material, and then transferred to a mixing container.

Add the **IKO Polimar FCS Wear Course Sand** (23kg) to the resin while stirring and continue to stir until a smooth consistency is achieved with no lumps.

Add min 2 bags of pre-weighed **IKO Polimar FCS Catalyst** (0.1kg each) to the mixture by mechanical stirring using a spiral mixing headed stirrer at a slow speed for 2 minutes, ensuring the product on the base and sides of the container are thoroughly mixed in.

At material temperatures <10°C the product must be stirred for 4 to 5 minutes as the catalyst will take longer to dissolve.

REACTION TIMES

This table gives an approximation of time at a specific temperature of 20°C when **IKO Polimar FCS Wear Course** mixture (23kg sand and 10kg resin components) must be mixed with min 2 bags of **IKO Polimar FCS Catalyst** (0.1kg each).

At 20°C	
Pot life	Approx. 20 mins
Rain-proof	Approx. 45 mins
Walkable/overlay	Approx. 1 hour and 15 mins
Fully cured	Approx. 6 hours

APPLICATION

Apply an even coating of the mixed **IKO Polimar FCS Wear Course** to the substrate using an 8mm V notch trowel or smoothing trowel at a coverage rate of 4kg/m². Allow the material to self-level and then within 10 minutes broadcast a generous, even coat of **IKO Polimar Quartz Sand** at a coverage rate of 2kg/m². The sand must be applied within 10 minutes of the application of the **IKO Polimar FCS Wear Course** at a minimum coverage rate of 2kg/m². Once hardened sweep off thoroughly and dispose of any excess aggregate.

CLEANING TOOLS

If work is interrupted or when it is completed, clean tools with **IKO Polimar FCS Acetone Cleaner** using a brush to remove the material from tools within the pot life of the material. Immersing tools in **IKO Polimar FCS Acetone Cleaner** will not prevent material from hardening. Ensure the cleaning agent is fully dried off, before using tools again.

DISPOSAL

Please refer to relevant sections of the **IKO Material Safety Data Sheet** for information relating to disposal.

DISCLAIMER

As this product is utilised within an Approved Contractor network and guided by an **IKO Specification** document, where omission or differing information exists the **IKO Specification** document will take precedence.

Whilst every precaution is taken to ensure that the information given in this literature is correct and up to date it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

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