

IKO POLIMAR FCS WATERPROOFING

PRODUCT INFORMATION

IKO Polimar FCS Waterproofing is a high-grade, 2-component, fast curing PMMA-based waterproofing resin with low-temperature flexibility. The product is fleece-reinforced to create durable and reliable roof waterproofing system.

Liquid application allows seamless waterproofing systems to be applied to large areas, and even the most complex roof penetrations and upstands can be securely incorporated.

This product must be used in conjunction with **IKO Polimar FCS Catalyst**.

Size	Product Code
FCS Waterproofing 10kg	MW750020



USE

IKO Polimar FCS Waterproofing is applied together with **IKO Polimar FCS Fleece** reinforcement for waterproofing flat areas on roofs, balconies, terraces and walkways.

The product must only be applied by operatives whom have successfully completed the relevant IKO Polimar product induction programme.

Additionally all work must be undertaken in accordance with the requirements of the specific information given with the IKO Specification document.

PERFORMANCE & COMPOSITION

Composition:	2-component PMMA
Form:	Liquid
Weight:	10kg
Colour:	Grey
Consumption Rates:	
Waterproofing membrane	3kg/m ² *
When used under:	
IKO Polimar FCS Wear Course	2.5kg/m ² *
Bonded/loose laid coverings	4.5kg/m ² **
Density:	1.21g/cm ³
Water vapour diffusion	
Resistance factor:	4.335

*Required minimum coverage

** This coverage rate is the completed rate, accounting for a fully cured waterproofing membrane and an additional coating for protection.

DIRECTIONS FOR USE

STORAGE

Store products 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

When using **IKO Polimar FCS Waterproofing** it is a requirement to undertake an adhesion test to determine if suitable adhesion can be obtained. Further information on adhesion testing can be found within the issued IKO Specification document.

All receiving surfaces and substrates should be prepared with the specified primer, dry and ice-free.

MIXING

Each **IKO Polimar FCS Waterproofing** (10kg) resin component must be mixed with min 2 bags of **IKO Polimar FCS Catalyst** (0.1kg each) using a suitable power drill or mixer with a spiral mixing head.

The **IKO Polimar FCS Waterproofing** (10kg) resin component should be thoroughly mixed to ensure incorporation of any settled out material prior to addition of the catalyst.

Add min 2 bags of pre-weighed **IKO Polimar FCS Catalyst** (0.1kg each) to the resin component and mix 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 Waterproofing** (10kg) resin component is mixed with min 2 bags of **IKO Polimar FCS Catalyst** (0.1kg each).

At 20°C	
Pot life	Approx. 15 mins
Rain-proof	Approx. 30 mins
Walkable/overlay	Approx. 1 hour
Fully cured	Approx. 3 hours

APPLICATION – WATERPROOFING

Apply **IKO Polimar FCS Waterproofing** in horizontal areas. For vertical surfaces such as upstands, **IKO Polimar FCS Detailing** should be used. For detailed information on this product, refer to relevant technical data sheet.

Apply a generous and even layer of the mixed material to cover the entire area at a consumption rate of least 1.5 kg/m², then immediately embed **IKO Polimar FCS Fleece** ensuring that the minimum fleece overlap of 50mm is achieved.

Using a sheepskin roller, remove any air bubbles and cover the fleece straightaway (wet in wet) with a second layer of material to achieve the required completed consumption rate.

In each case use a sheepskin roller to spread the material over the surface. Brushes may only be used for areas not accessible with the sheepskin roller.

The surface must be protected from moisture until the coating has hardened.

Quartz sand should never be placed directly into the waterproofing layer.

For further information please refer to the issued IKO Specification documentation.

PREPARATION FOR BONDED/LOOSE LAID COVERINGS

The waterproofing layer must be fully cured before any further work commences.

For fully bonded surfacing such as promenade tiles, apply an additional covering layer of **IKO Polimar FCS Waterproofing** at a consumption rate of approximately 1.5 kg/m², and top with a generous amount of dry **IKO Polimar FCS Quartz Sand** whilst still wet.

After hardening of the surface, vacuum off the excess/loose sand. The topping gives the necessary mechanical key for the bonded finish.

For loose-laid surfacing such as paving on supports, once the waterproofing layer has cured, apply an additional covering layer of **IKO Polimar FCS Waterproofing** at a rate of approximately 1.5 kg/m². This protects the waterproofing layer against the mechanical loads of the applied items (supplied by others).

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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