

# IKO Metatech Mixing Chart

## Metatech Field 10 kg - 8.2 L

Substrate Temperature	Weight of IKO Metatech Catalyst per Pail	Weight of IKO Metatech Catalyst per Litre	% Catalyst Mass	Coverage (ft <sup>2</sup> /unit)	Pot Life @ 20°C	Resistance to Rain @ 20°C	Can Be Walked Upon/ Coated @ 20°C	Cured @ 20°C
5°C	300 g	36.6 g per litre	3%	35 ft <sup>2</sup> *May vary based on roughness of surface.	~15 minutes	~30 minutes	~45 minutes	~2 hours
6°C to 15°C	200 g	24.4 g per litre	2%	35 ft <sup>2</sup> *May vary based on roughness of surface.	~15 minutes	~30 minutes	~45 minutes	~2 hours
16°C to 40°C	100 g	12.2 g per litre	1%	35 ft <sup>2</sup> *May vary based on roughness of surface.	~15 minutes	~30 minutes	~45 minutes	~2 hours

## Metatech Field 20 kg - 16.4 L

Substrate Temperature	Weight of IKO Metatech Catalyst per Tin	Weight of IKO Metatech Catalyst per Litre	% Catalyst Mass	Coverage (ft <sup>2</sup> /unit)	Pot Life @ 20°C	Resistance to Rain @ 20°C	Can Be Walked Upon/ Coated @ 20°C	Cured @ 20°C
5°C	600 g	36.6 g per litre	3%	70 ft <sup>2</sup> *May vary based on roughness of surface	~15 minutes	~30 minutes	~45 minutes	~2 hours
6°C to 15°C	400 g	24.4 g per litre	2%	70 ft <sup>2</sup> *May vary based on roughness of surface	~15 minutes	~30 minutes	~45 minutes	~2 hours
16°C to 40°C	200 g	12.2 g per litre	1%	70 ft <sup>2</sup> *May vary based on roughness of surface	~15 minutes	~30 minutes	~45 minutes	~2 hours

## Metatech Flashing 10 kg - 8.2 L

Substrate Temperature	Weight of IKO Metatech Catalyst per Tin	Weight of IKO Metatech Catalyst per Litre	% Catalyst Mass	Coverage (ft <sup>2</sup> /unit)	Pot Life @ 20°C	Resistance to Rain @ 20°C	Can Be Walked Upon/ Coated @ 20°C	Cured @ 20°C
5°C	300 g	36.6 g per litre	3%	35 ft <sup>2</sup> *May vary based on roughness of surface.	~15 minutes	~30 minutes	~45 minutes	~2 hours
6°C to 15°C	200 g	24.4 g per litre	2%	35 ft <sup>2</sup> *May vary based on roughness of surface.	~15 minutes	~30 minutes	~45 minutes	~2 hours
16°C to 40°C	100 g	12.2 g per litre	1%	35 ft <sup>2</sup> *May vary based on roughness of surface.	~15 minutes	~30 minutes	~45 minutes	~2 hours

## Metatech Porous Primer 10 kg - 9.9 L

Substrate Temperature	Weight of IKO Metatech Catalyst per Tin	Weight of IKO Metatech Catalyst per Litre	% Catalyst Mass	Coverage (ft <sup>2</sup> /unit)	Pot Life @ 20°C	Resistance to Rain @ 20°C	Can Be Walked Upon/ Coated @ 20°C	Cured @ 20°C
5°C to 10°C	600 g	60.6 g per litre	6%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour
11°C to 20°C	500 g	50.5 g per litre	5%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour
21°C to 30°C	300 g	30.3 g per litre	3%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour
31°C to 40°C	100 g	10.1 g per litre	1%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour

## Metatech Bitumen Primer 10 kg - 10 L

Substrate Temperature	Weight of IKO Metatech Catalyst per Tin	Weight of IKO Metatech Catalyst per Litre	% Catalyst Mass	Coverage (ft <sup>2</sup> /unit)	Pot Life @ 20°C	Resistance to Rain @ 20°C	Can Be Walked Upon/ Coated @ 20°C	Cured @ 20°C
5°C to 10°C	500 g	50 g per litre	5%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour
11°C to 15°C	400 g	40 g per litre	4%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour
16°C to 20°C	300 g	30 g per litre	3%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour
21°C to 30°C	200 g	20 g per litre	2%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour
31°C to 40°C	100 g	10 g per litre	1%	135-270 ft <sup>2</sup> depending on the nature of the substrate.	~10 minutes	~20 minutes	~30 minutes	~1 hour

**IKO Metatech products can be used:** **1)** If the air, substrate temperature and resin temperatures are between the minimum and maximum level, as defined in Table 3 of the IKO Metatech PMMA Installation Guidelines. **2)** If the relative humidity level is lower than 85%. **3)** If it is not raining or foggy. **4)** On a dry surface that is not frozen. **5)** On a surface that is not affected by rising damp (for example, water vapour from inside the building due to the absence of a vapour barrier or rising damp on a ground floor terrace due to the absence of a moisture barrier under the concrete).



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# IKO Metatech Compatibility Chart

Product	Preparation	Primer	Comments
<b>1 — Waterproofing membranes</b>			
<b>SBS/APP bitumen</b>	Clean and remove loose particles. Ensure surface is clear of dust, dirt, grease and all other debris.	IKO Metatech Bitumen Primer	The membrane must adhere sufficiently to the substrate. Any cracks and blisters must first be repaired. Adhesion to a sanded APP bitumen membrane must first be field tested for compatibility. *Whilst priming with IKO Metatech Bitumen Primer is not required, it should be used to avoid bleedthrough and maintain the aesthetics of the PMMA liquid membrane.
<b>EPDM</b>	Roughen the membrane prior to application to ensure proper adhesion.	None	The membrane must adhere sufficiently to the substrate. Any cracks and blisters must first be repaired.
<b>TPO</b>			Please contact IKO Technical Services.
<b>PVC</b>			Please contact IKO Technical Services.
<b>3 — Insulation panels</b>			
<b>Polyisocyanurate insulation</b>	Prepare roofs by applying an IKO self-adhesive membrane. Prepare accessible substrates subject to foot traffic by applying an IKO-approved support panel.		
<b>4 — Mineral surfaces</b>			
<b>Concrete and mortar</b>	Roughen polished concrete. Ensure surface is clear of dust, dirt, grease and all other debris.	IKO Metatech Porous Primer	The substrate must have been in place for at least 28 days. Remove any laitance from the cement. It must have a compressive strength of at least 25 N/mm and a tensile strength of at least 1.5 N/mm.
<b>5 — Metals</b>			
<b>Ferrous metals (steel)</b>	Sand the metallic substrate to create a rough surface that promotes good adhesion. Ensure rust, grease and all other debris is removed.		Please contact IKO Technical Services.
<b>Non-ferrous metals (aluminum, copper, lead, zinc)</b>	Sand the metallic substrate to create a rough surface that promotes good adhesion. Ensure rust, grease and all other debris is removed.		Please contact IKO Technical Services.
<b>6 — Hard plastics</b>			
<b>PVC</b>	Sand down substrate enough to create a rough surface that promotes good adhesion. Remove grease, dirt and all other debris.	None	Please contact IKO Technical Services.
<b>Polyester</b>	Sand down substrate enough to create a rough surface that promotes good adhesion. Remove grease, dirt and all other debris.	None	Please contact IKO Technical Services.
<b>7 — Wood</b>			
<b>Treated wood (hardwood)</b>	Ensure surface is clear of dust, dirt, grease and all other debris.	IKO Metatech Porous Primer	Must first be treated for all outdoor applications. Chipboard panels must be water-resistant.
<b>Plywood</b>	Ensure surface is clear of dust, dirt, grease and all other debris.	None	Please contact IKO Technical Services.

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