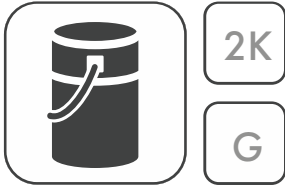


Product Information Sheet

Print Date: 01.05.2020

Revision: 03.11.2015



Brief description

PMMA Glow In The Dark Primer For Absorbent Substrates is a fast-reactive primer used as a barrier on absorbent substrates in preparation for the later application of PMMA waterproofing or surfacing products.

Material

2-component, fast-reactive / fast-curing PMMA-based (polymethyl methacrylate) resin primer

Properties and advantages

- Easy to apply
- Fast-curing
- Very good adhesion on absorbent substrates
- Hydrolysis- and alkali-resistant
- Solvent-free

Areas of application

PMMA Glow In The Dark Primer For Absorbent Substrates is used for the pre-treatment (primer and barrier) of slightly absorbent mineral and timber substrates (concrete, screed, wood etc.) in preparation for the later application of PMMA waterproofing / surfacing products.

Packaging

Summer:	Winter:
5.00kg PMMA Glow In Dark Absorbent	5.00 kg PMMA Glow In Dark Absorbent
<u>0.20 kg</u> PMMA Catalyst	<u>0.30 kg</u> PMMA Catalyst
(2 x 0.1 kg)	(3 x 0.1 kg)
5.20 kg	5.30 kg
Summer:	Winter:
10.00 kg PMMA Glow In Dark Absorbent	10.00 kg PMMA Glow In Dark Absorbent
<u>0.30 kg</u> PMMA Catalyst	<u>0.60 kg</u> PMMA Catalyst
(3 x 0.1 kg)	(6 x 0.1 kg)
10.30 kg	10.60 kg

Colours

PMMA Glow In The Dark Primer For Absorbent Substrates

- Unpigmented
- White

Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. Unopened products have a shelf life of at least 6 months. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

Product Information Sheet

Print Date: 01.05.2020

Revision: 03.11.2015

Application conditions



Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
PMMA Glow In The Dark Primer For Absorbent Substrates	+3 to +35	+3 to +50*	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

Moisture

The relative humidity must be ≤ 90 %.

The surface to be coated must be dry.

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

Substrates, e.g. young concrete, containing residual moisture can be coated provided they have set sufficiently and the substrate is properly prepared. Please refer to the appropriate application guide for information about correct surface preparation.

Reaction times and required amounts of catalyst

	PMMA Glow In The Dark Primer For Absorbent Substrates (at 20 °C, 3 % PMMA Catalyst)
Pot life	approx. 10 minutes
Rain-proof after	approx. 30 minutes
Can be walked on / overcoated after	approx. 30 minutes
Curing time	approx. 2 hours

Higher temperatures or greater proportions of PMMA Catalyst will reduce reaction times, while lower temperatures and smaller proportions of PMMA Catalyst will increase reaction times.

The following table indicates the recommended amount of Wepplus catalyst required to adjust the curing reaction to the temperature.

Product	Substrate temperature in °C; required amounts of PMMA Catalyst % w/w (guide)												
	-10	-5	+3	5	10	15	20	25	30	35	40	45	50
276	-	-	6%	6%	4%	4%	2%	2%	2%	2%	1%	1%	1%

Consumption rates

Substrate

Smooth
Fine-sandy
Rough

Consumption

0.40 kg/m²
0.50 kg/m²
0.80 kg/m²

Technical data

Density (unpigmented): 1.06 g/cm³
Density (white): 1,08 g/cm³

Product Information Sheet

Print Date: 01.05.2020

Revision: 03.11.2015

Product application



Application equipment / tools

For mixing the product:

- Twin-paddle stirrer

For applying the product:

- Sheepskin roller
- Brush (only for areas not accessible with roller)

Substrate preparation

The primer must only be applied to a prepared substrate.

Please refer to the appropriate application guide for information about correct surface preparation.



Mixing

First stir the tub contents thoroughly.

Then add the PMMA Catalyst while stirring the resin at the slow-speed setting and mix for 2 minutes. Make sure that the product on the base and sides of the container is mixed in.

At product temperatures $< 10\text{ }^{\circ}\text{C}$ the product should be stirred for 4 minutes, as the PMMA Catalyst will take longer to dissolve.

Application

Use the sheepskin roller to apply an even film-forming coat of primer. Avoid creating puddles of primer.

Once the coating has cured, apply a second coat to cover any defects (bubbles, areas not fully coated).

Preparation for subsequent layers

For the subsequent application of PMMA Mortar:

Once the primer has hardened, apply a second layer and top with a little quartz sand ($0.1 - 0.2\text{ kg/m}^2$ at $0.2 - 0.6\text{ mm}$) while the primer is still wet. The sand topping creates the necessary key, i.e. roughness, for application of the mortar.

Never apply the topping to the first coat of primer.

Cleaning

If work is interrupted or when it is completed, clean the tools thoroughly with PMMA Cleaning Agent within the pot life of the material (approx. 10 minutes). This can be done with a brush. Do not use the tools again until the Cleaning Agent has evaporated fully.

Simply immersing the tools in the Cleaning Agent will not prevent the material from hardening.

Information on safety and risks

Please refer to the safety data sheets for the products used.



PMMA Glow In The Dark Primer For Absorbent Substrates

Product Information Sheet

Print Date: 01.05.2020

Revision: 03.11.2015

General information

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge. However, the wide variety of requirements and conditions on site mean that it is necessary for the product to be tested to ensure that it is suitable for the intended purpose. Only the most recent version of the document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.