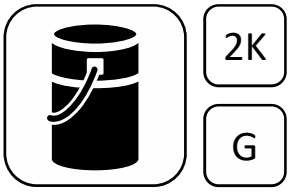
Product information sheet

Wecryl 123 K – Green

Ready-to-apply scratch coat



Brief description

Wecryl 123 K is a fast-curing, pre-filled and solvent-free scratch coat, which can be used with Wecryl primers as part of a system to level out roughness heights of up to 5 mm. Wecryl 123 K is an optional component of the Wecryl surface protection systems OS 10 - 2.0, OS 11a, OS 11b and OS 14.

Material

2-component, fast-curing, catalysed PMMA-based resin
(PMMA = polymethyl methacrylate)

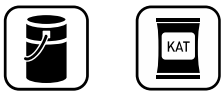
Properties and advantages

- Easy to apply
- Rapid curing
- Tested component of WestWood® Wecryl surface protection systems
- Mixture of resin and quartz sand in a single tub (ready to apply)
- Hydrolysis- and alkali-resistant
- Heat-resistant (welded sheeting, mastic asphalt)
- Solvent-free
- Can be used at low temperatures from 0 °C onwards

Areas of application

The system build-up (primer with or without scratch coat) must be selected to suit the ascertained roughness heights. At roughness heights up to 1.5 mm in the concrete surface a primer must be applied.
At roughness heights > 1.5 mm a scratch coat must be applied. Individual depressions in the concrete, up to 5 mm in depth and approx. 500 cm² in area, may also be filled with Wecryl 123 K (scratch coat).
The roughness height must be determined in accordance with ZTV-ING - part 1 General Information, section 4, "Determination of Roughness Height".

Pack size



Summer:		Winter:	
25.00 kg	Wecryl 123 K	25.00 kg	Wecryl 123 K
0.30 kg	Wekat 900 (3 x 0.1 kg)	0.50 kg	Wekat 900 (5 x 0.1 kg)
25.30 kg		25.50 kg	

Standard colour

Green-tinted

Storage

Store products sealed in their original airtight container, in a cool, dry, 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.
If only some of the contents are removed, reseal the containers so they are airtight.

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Application conditions

Temperatures

The product can be applied in the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate	Material
Wecryl 123 K	0 to +35	0 to +30*	+3 to +30

The surface temperature must be at least 3 ºC above dew point.

Humidity and moisture

The relative humidity must be ≤ 90 %.
The surface to be coated must be dry and free of ice.
The dryness of the concrete surface should be checked by heating it locally with a hot-air fan or blower (if the concrete is moist, this will make it noticeably lighter). The surface must be protected from moisture until the coating has hardened.

Concrete replacement systems

Since the primer has been developed specifically for concrete, its application on concrete replacement systems must be checked in each case as problems might arise with curing.

Curing times and required amounts of catalyst

	Wecryl 123 K (at 20 °C, 1.0 % Wekat 900)
Potlife	approx. 12 min
Rainproof	approx. 30 min.
Can be walked on / overlaid	approx. 60 min.
Fully cured	approx. 3 hours

Higher temperatures or greater proportions of catalyst will reduce curing times. Conversely, curing times will increase at lower temperatures or with smaller proportions of catalyst.
The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

Product	Pot life > 10 minutes at substrate temperature Catalyst amount							
	0 °C	+3 °C	+5 °C	+10 °C	+15 °C	+20 °C	+25 °C	+30 °C
Wecryl 123 K 10 kg tub	2% = 200 g	2% = 200 g	1.5% = 150 g	1.5% = 150 g	1% = 100 g	1% = 100 g	0.5% = 50 g	0.25% = 25 g
Wecryl 123 K 25 kg tub	2% = 500 g	2% = 500 g	1.5% = 375 g	1.5% = 375 g	1% = 250 g	1% = 250 g	0.5% = 125 g	0.25% = 65 g

Application rate

Substrate	**Consumption**
rough	min. 1.70 kg/m²

Technical data

Density: 1.70 g/cm³

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Product application

Application equipment/tools

To mix the product:

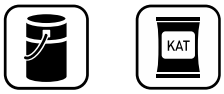
- Twin-paddle stirrer

To apply the product:

- Rectangular float
- Smoothing trowel
- Rubber squeegee (take care to ensure adequate consumption rate!)

Substrate preparation

The primer must only be applied to a prepared substrate. Please refer to the appropriate application guideline for information about correct substrate preparation.
Once the substrate has been prepared, the bond strength of the concrete must be checked. The mean bond strength must be at least 1.5 N/mm². The lowest individual value must not be less than 1.0 N/mm².



Mixing

First stir the tub contents thoroughly.
Then add the catalyst while stirring at the slow-speed setting, and mix for 2 minutes. Make sure that the product is incorporated on the bottom and sides of the container.
At product temperatures < 5 °C the product should be stirred for 5 minutes, as the catalyst will take longer to dissolve.

Application

The scratch coat can be applied evenly to the cured primer using a smoothing trowel.
Any build-up of material should be avoided.
When hardened, check the primed surface for any areas not completely covered or any bubbles that have developed. Apply a second coat to cover these areas.
If too little material is applied, this can result in problems with the curing process, as polymerisation is interrupted.

Cleaning

If work is interrupted or when it is completed, clean the tools thoroughly with WestWood® Cleaning Agent within the pot life of the material (approx. 12 minutes). This can be done with a brush. Do not use the tools again until the cleaning agent has evaporated completely.
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.

General information

The preceding information, especially with regard to the application of the products, is based on extensive development work and many years of experience and is provided as the best of our knowledge.
However, the wide variety of requirements and conditions on site mean that

it is necessary for the installer to test the product to verify its suitability for the intended purpose. Only the most recent version of this document is valid. We reserve the right to make changes to reflect advances in technology or improvements to our products.

Last revised: 01 January 2024