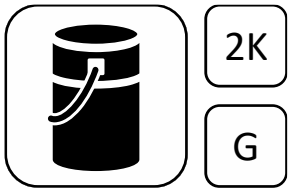
Product information sheet

Wecryl 176

Primer for absorbent substrates



Brief description
Wecryl 176 is a reactive primer used as a barrier on absorbent substrates in preparation for the later application of WestWood waterproofing or surfacing products.

Material

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

Properties and advantages

- High bond strength on absorbent substrates
- Hydrolysis- and alkali-resistant
- Solvent-free

Applications

Wecryl 176 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 WestWood waterproofing / surfacing products.

Pack size

Summer:		Winter:	
5.00 kg	Wecryl 176	5.00 kg	Wecryl 176
0.20 kg	Wekat 900	0.30 kg	Wekat 900
5.20 kg		5.30 kg	

Summer:		Winter:	
10.00 kg	Wecryl 176	10.00 kg	Wecryl 176
0.30 kg	Wekat 900	0.60 kg	Wekat 900
10.30 kg		10.60 kg	

Summer:		Winter:	
25.00 kg	Wecryl 176	25.00 kg	Wecryl 176
0.80 kg	Wekat 900	1.60 kg	Wekat 900
25.80 kg		26.60 kg	

Standard colours

- white

Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. The unopened product has a shelf life of at least 12 months after delivery. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

Application conditions

Temperatures
The product can be applied within the following temperature ranges:

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Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl 176	+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 developed sufficient strength 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

	Wecryl 176 (at 20 °C, 3% catalyst)
Pot life	approx. 10 min
Rainproof	approx. 30 min
Can be walked on/ overcoated	approx. 30 min
Curing time	approx. 2 hours

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

Product	Substrate temperature in °C; required amounts of Wekat 900 in % w/w (guide)												
	-10	**-5**	**+3**	**5**	**10**	**15**	**20**	**25**	**30**	**35**	**40**	**45**	**50**
176	-	-	6%	6%	4%	3%	3%	2%	2%	1%	1%	1%	1%

Consumption rates

Substrate	**Consumption**
smooth	approx. 0.40 kg/m^2
fine-sandy	approx. 0.50 kg/m^2
coarse	approx. 0.80 kg/m^2

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Technical data

Density (white): 1.08 g/cm³

Product application

Application equipment / tools

For mixing the product:

- Mixing tool with twin-paddle stirrer

For applying the product:

- Sheepskin roller
- Brush (only for areas not accessible with the sheepskin 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 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 also mixed in.
At product temperatures < 10 °C the product should be stirred for 4 minutes, as the 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 subsequent application of Wecryl 842 - repair and levelling mortar:
Once the primer has hardened, apply a second coat and top with a little quartz sand (0.1 - 0.2 kg/m² of 0.1 – 0.6 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 WestWood 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.

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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.

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