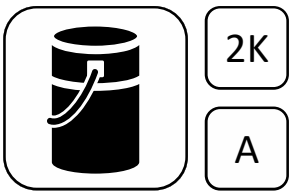
Product information sheet

Wecryl 271

Self-levelling, dynamic-crack bridging surfacing OS11a and OS 11b



Brief description

Wecryl 271 is designed as highly flexible, waterproof, trafficable and antiskid surfacing for application to concrete or cementitious substrates in multi-storey car parks. Wecryl 271 is part of the Wecryl OS 11a and OS 11b surface protection systems, providing the principally effective surface protection layer (PESPL).

Material

2-component, rapid-curing, flexibilised and filled self-levelling surfacing

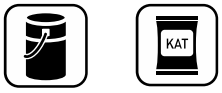
Properties and advantages

- Highly flexible and crack-bridging even at temperatures as low as and including -20 °C (class B 3.2)
- Approval according to the guideline for the protection and repair of concrete components issued by the German Committee on Reinforced Concrete (DAfStb-RiLi SIB, DIN V 18026) and according to TR maintenance
- No embedded fleece or mesh required
- Suitable for heavy duty (vehicles, foot traffic)
- Fully bonded to the substrate, therefore no flow paths underneath for water
- Fast and easy application
- Fast-curing
- Solvent-free

Areas of application

Wecryl 271, part of the Wecryl OS 11a and OS 11b surface protection systems, is used as a self-levelling course that bridges dynamic cracks (PESPL) in multi-storey car parks.

Pack size



Wecryl 271 is supplied with Wekat 900.

Summer:		Winter:	
10.00 kg	Wecryl 271	10.00 kg	Wecryl 271
0.20 kg	Wekat 900	0.40 kg	Wekat 900
10.20 kg		10.40 kg	

Summer:		Winter:	
25.00 kg	Wecryl 271	25.00 kg	Wecryl 271
0.50 kg	Wekat 900	1.00 kg	Wekat 900
25.50 kg		26.00 kg	

Standard colour

RAL 7032 Pebble grey

Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. Unopened, they have a shelf life of 6 months from the date of manufacture. Direct sunlight on the containers should be avoided, including on site.

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Application conditions


Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl 271	-5 to +35	+3 to +40	+3 to +30

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

Humidity and 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.

Reaction times

Wecryl 271	23 °C
Pot life	approx. 15 min
Rainproof	approx. 30 min
Walkable/overlayable	approx. 1 h
Fully cured	approx. 3 h

Higher temperatures or greater proportions of catalyst will shorten reaction times, while lower temperatures and smaller proportions of catalyst will extend reaction times.
The following table shows the recommended amount of catalyst in relation to the temperature-dependent curing reaction.

Product	Substrate temperature in °C; required amounts of catalyst in % w/w (guide)											
	-10	-5	+3	+5	+10	+15	+20	+25	+30	+35	+40	+45
Wecryl 271	-	-	5%	4 %	4 %	3%	2 %	1.5%	1%	1%	1 %	-

Consumption rates

≥ 2.5 kg/m²

Technical data

Density of mixture (23 °C): approx. 1.12 g/cm³

Product application



Application equipment / tools

For mixing the product:
- Twin-paddle stirrer

For applying the product:
- Float with triangular teeth (notch pattern 78)
- Spiked roller, metal

Substrate to be coated

Apply the waterproofing resin to the cured WestWood® primer.

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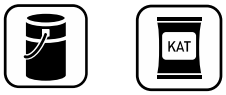

Mixing

First stir the pigmented Wecryl 271 resin thoroughly.
After 2 minutes of mixing, the catalyst can be added while stirring with a slow-speed stirrer. Make sure that the product on the base and sides of the container is incorporated.
At product temperatures < 10 °C the product should be stirred for at least 4 minutes, as the catalyst will take longer to dissolve.

Application

Pour the product onto the prepared surface and distribute it using a float with triangular teeth (notch pattern 78). It is vital that you go over the area again with a spiked metal roller, as this boosts the self-levelling action and allows the resin to cure without bubbles.

Preparation for subsequent layers:
None

Cleaning

When work is interrupted or completed clean the tools thoroughly with WestWood® Cleaning Agent within the pot life of the material. 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.

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 applicator to test the product 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.

Revised: 21 July 2023