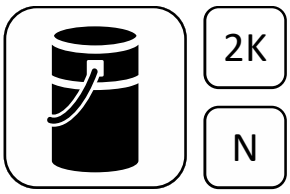
Product information sheet

Wecryl 407

Finish, pigmented, with dynamic crack bridging



Brief description
Wecryl 407 is used as a wearing layer for WestWood® systems.
It is a high-grade, mechanically durable surface sealant that can be supplied in any colour, which retains crack-bridging properties even at extremely low temperatures. Different topping materials can be applied to achieve the desired non-slip properties.

Material

2-component, fast-curing, pigmented PMMA-based (polymethyl methacrylate) sealing resin

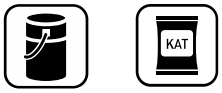
Properties and advantages

- Highly flexible, with dynamic crack bridging (in the WestWood® composite system)
- Can be used in any colour to create desired patterns (e.g. tile effect, lettering)
- WestWood® quartz sand can be applied to create the desired non-slip properties
- Abrasion-resistant
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Chloride-resistant
- Easy and fast application
- Rapid curing
- Solvent-free
- Choice of various RAL colours

Areas of application

- Applications of Wecryl 407 include use as a surface sealant in the Wecryl Surface Protection Systems OS 11a and OS 14.

Pack size



Summer:		Winter:	
10.00 kg	Wecryl 407	10.00 kg	Wecryl 407
0.20 kg	Wekat 900	0.40 kg	Wekat 900
10.20 kg		10.40 kg	
		Winter:	
Summer:			
25.00 kg	Wecryl 407	25.00 kg	Wecryl 407
0.50 kg	Wekat 900	1.00 kg	Wekat 900
25.50 kg		26.00 kg	

Standard colours

RAL 7030 stone grey
RAL 7032 pebble grey
RAL 7035 light grey
RAL 7043 traffic grey B
Other RAL colours are available on request

For production reasons there may be some colour variation between individual batches and the available RAL colour charts. We therefore recommend using products from the same batch for any one project.

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Storage

Store products sealed in their original airtight container, in a cool, dry, frost-free place. Unopened, they have a shelf life of at least 6 months after delivery. 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.

Application conditions

Temperatures

The product can be applied in the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl 407	-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 and free of ice.
The surface must be protected from moisture until the coating has hardened.

Curing times and required amounts of catalyst

	Wecryl 407 (at 20 °C, 2% WeKat 900)
Pot life	approx. 15 min.
Rainproof	approx. 45 min.
Can be walked on / overlaid	approx. 60 min.
Fully cured	approx. 3 hours

Higher temperatures or greater proportions of Wekat 900 will shorten the curing times, while lower temperatures and smaller proportions of Wekat 900 will extend the curing times. The following table indicates the recommended amount of Wekat 900 required to adjust the curing reaction to the temperature.

Product	Substrate temperature in °C; required amounts of catalyst in % w/w (guide)									
	-5	+3	5	10	15	20	25	30	35	40
Wecryl 407	-	4 %	4 %	4 %	2 %	2 %	2 %	2 %	1.5 %	1.5 %

Application rate

Substrate	Consumption
Topped areas	0.70 kg/m^2 – 0.90 kg/m^2

Technical data

Density: 1.21 g/cm^3

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Product application


Application equipment/tools

To mix the product:

- Twin-paddle stirrer

To apply the product:

- Hard rubber squeegee 45 cm (for applying finish to topped surfaces)

Substrate preparation

The Wecryl 407 finish is a component of several WestWood® Systems and should be applied in accordance with the installation instructions.
The previous PMMA layer must have cured and must be free of adhesion-reducing substances and dirt. Excess sand must be removed from the sand-topped surface before applying the finish.


Mixing

First stir the tub contents thoroughly.
Then add Wekat 900 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 < 10 °C the product should be stirred for 4 minutes, as the Wekat 900 will take longer to dissolve.

Application

Evenly apply the mixed material with the 45 cm hard rubber squeegee (application rate between 0.7 kg/m² and 0.9 kg/m² depending on the particle size). Avoid variations in layer thickness.

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 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.

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