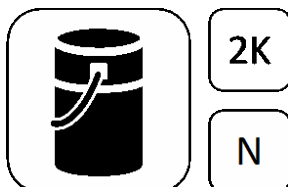


Wecryl 489

Fire-retardant s1 finish, pigmented



Brief description

Wecryl 489 is a fire-retardant wearing layer installed as part of WestWood Wecryl waterproofing system and Wecryl high-build flooring system. It is a high-grade, mechanically durable finish that can be supplied in any colour and can even be used for creating patterns or lettering. 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

- Fire-retardant finish
- Classified as C_{fi}-s1 in system test (in accordance with DIN EN 13501-1)
- Any RAL colours
- Can be used in any colour to create desired patterns (e.g. tiled look, lettering)
- Toppings (chips, 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
- Fast-curing
- Solvent-free

Areas of application

Wecryl 489 is used as a surface sealer on the Wecryl waterproofing system or the Wecryl high-build flooring system. The surfaces of the system can be designed in any colour and pattern. The appropriate non-slip properties are achieved by using different toppings as surface treatment.

Pack size



Summer:	Winter:
10.00 kg Wecryl 489	10.00 kg Wecryl 489
<u>0.20 kg</u> Wekat 900	<u>0.40 kg</u> Wekat 900
10.20 kg	10.40 kg
Summer:	Winter:
25.00 kg Wecryl 489	25.00 kg Wecryl 489
<u>0.50 kg</u> Wekat 900	<u>1.00 kg</u> Wekat 900
25.00 kg	26.00 kg

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.

Wecryl 489

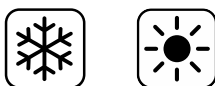
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For production reasons there may be some colour variation between individual batches and the available RAL colour charts. We therefore recommend using products from the same batch for any one project.

Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. The unopened products have a shelf life of at least 6 months from the date of 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:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl 489	-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.

Moisture

The relative humidity must be ≤ 90%.
The surface to be coated must be dry and ice-free.
The surface must be protected from moisture until the coating has hardened.

Reaction times and required amounts of Wekat 900

	Wecryl 489 (at 20 °C, 1.5% Wekat 900)
Pot life	approx. 15 min
Rainproof	approx. 45 min
Can be walked on/ overcoated	approx. 60 min
Curing time	approx. 3 hours

Higher temperatures or greater proportions of Wekat 900 will shorten reaction times, while lower temperatures and smaller proportions of Wekat 900 will extend reaction 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 Wekat 900 in % w/w (guide)									
	+3	5	10	15	20	25	30	35	40	
Wecryl 489	3%	3%	3%	1.5%	1.5%	1.5%	1.5%	0.5%	0.5%	

Consumption rates

Substrate
smooth

Consumption
0.70 kg/m²

Wecryl 489 Fire-retardant s1 finish, pigmented

Technical data

topped areas (depending on particle size)	0.80 - 0.90 kg/m ²
Density: (The density will vary with the colour)	1.20 to 1.30 g/cm ³

Product application



Application equipment / tools

For mixing the product:

- Mixing tool with twin-paddle stirrer

For applying the product:

- Finishing roller (sheepskin roller, minimal shedding)
- Rubber blade, hard (for applying finish to topped surfaces)

Substrate preparation

The finish can be applied either to hardened WestWood Primers or the self-levelling mortar, as required.

Mixing

First stir the tub contents thoroughly.

Then add the Wekat 900 while stirring 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 °C the product should be stirred for 4 minutes, as the Wekat 900 will take longer to dissolve.



Application

Use the finish roller to apply an even layer of the mixed material (approx. 0.7 kg/m²). Avoid fluctuating layer thicknesses.

Finish design options:

Increase non-slip properties:

Broadcast dry quartz sand over the freshly applied, still liquid finish. Particle sizes of between 0.2 and 0.6 mm or 0.7 and 1.2 mm can be used, depending on the desired roughness.



Product information sheet

Wecryl 489 Fire-retardant s1 finish, pigmented

Attractive design using WestWood Chips decorative topping:

Use a hopper gun to apply WestWood Chips to the finish before it has hardened. A maximum of 50 g/m² can be applied, depending on the look you want to achieve.

There should be no excess chips (surface completely covered with chips) at any point. This could lead to reaction problems.

Cleaning

If work is interrupted or when it is completed, clean the tools. 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.

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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