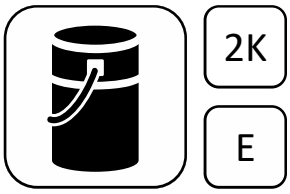
Product information

Wecryl 814

Sealing compound for floor joints



Brief description
Wecryl 814 is a high-quality PMMA sealing compound with low-temperature flexibility, designed for durable floor joints and other concrete structural components in contact with the ground.

Material

2-component, fast-curing, PMMA-based (polymethyl methacrylate) sealing resin with low-temperature flexibility

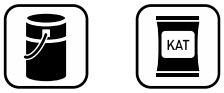
Properties and advantages

- Superior low-temperature flexibility
- Integrated bonding agent (no primer required)
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Easy and fast application
- High resistance to chemicals
- Rapid curing
- Can also be applied at sub-zero temperatures
- Solvent-free
- Tested on the basis of IVD information sheet No. 1

Areas of application

Wecryl 814 is a PMMA-based sealing resin that was designed specifically for sealing joints on concrete roundabouts and on concrete slabs in contact with the ground.

Pack size



10.00 kg	Wecryl 814
0.20 kg	Wekat 900
10.20 kg	

Standard colour

7043 traffic grey B
Other 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.

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 12 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.

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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 814	-5 to +35	+3 to +35*	+5 to +35

* 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 814 (at 20 °C)
Pot life	approx. 15 min.
Rainproof	approx. 30 min.
Can be walked on / overlaid	approx. 45 min.
Fully cured	approx. 2 hours

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

Product	**Substrate temperature in °C;** **Catalyst dosage in % w/w** (approximate figures)							
	+3	5	10	15	20	25	30	35
Wecryl 814	2 %	2 %	2 %	2 %	1.5 %	1.5 %	1 %	1 %

Technical data / consumption

Density: 1.04 g/cm³

Application rates must be calculated individually, based on the specified density and the dimensions of the joints. Here is an example:

Width	2.0 cm
Length	100 cm
Depth	1.0 cm
Consumption	208 g

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Product application

Application equipment/tools

To mix the product:

- Twin-paddle stirrer

Preparatory measures

The joint width should be no less than 10 mm and no more than 30 mm. Insert a closed-cell PE cord along the joint before applying the sealing compound. The diameter of the PE cord should be at least 20% wider than the width of the joint.
This prevents three-sided adhesion and seepage during the next application stage. Comply with the standard installation ratio of 2:1 (width to depth).

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 < 10 °C the product should be stirred for 5 minutes, as the catalyst will take longer to dissolve.

Application

Pour Wecryl 814 slowly and evenly into the prepared joint.

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. 15 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.

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