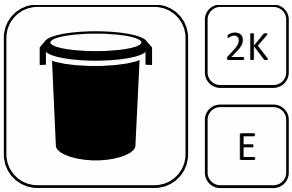
Product information sheet

Wecryl 887

Sealing compound for filling cracks in asphalt surfaces



Brief description

Wecryl 887 is a fast-curing repair and levelling mortar for patching brittle and cracked asphalt substrates.
The colour of the mortar, plus the option of topping it with filler material, produces a visual appearance that closely matches the asphalt surface.
The topping creates adequate grip and permanently prevents the ingress of water. Wecryl 887 is applied to asphalt without a primer.

Material

2-component, fast-curing, flow-optimised, PMMA-based (polymethyl methacrylate) crack and repair mortar with a formulated, activated filler mix

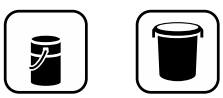
Properties and advantages

- Easy to apply
- Can be applied even at temperatures as low as 0 °C
- Rapid curing
- Thermoplastic behaviour
- Very good flow properties
- Abrasion-resistant
- Resistance to sliding can be adjusted with WestWood® Hard Grain
- Can be topped with WestWood® Hard Grain
- Resistant to frost and de-icing salts
- Largely resistant to acids, alkali solutions and fuel
- UV-, hydrolysis- and alkali-resistant
- Solvent-free
- Stable under pressure
- Watertight (subject to correct intermediate compression)

Areas of application

Wecryl 887 is used as a crack filler and repair compound on cement-bound and bitumen-bound substrates. Examples: Use as a crack filler on brittle poured or rolled asphalt surfaces. Small cracks or surfaces with cobweb-style cracking can be repaired with Wecryl 887. It can also be used as grout to fill cuts made for induction loops. With the addition of WestWood® Hard Grain, Wecryl 887 can be thickened to form a repair compound that is able to level out large roughness heights. This allows water drainage fixtures and manhole covers to be easily levelled to match the surrounding surfaces.

Pack size



3.08 kg	Wecryl 887 Comp. A (activated sand)
0.92 kg	Wecryl 887 Comp. B (resin)
4.00 kg	Wecryl 887

Standard colour

Asphalt black

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Storage

Store products sealed in their original packaging and in a cool, dry and frost-free place. Avoid warm storage areas (> 30 °C) even for brief periods, for example on site. Consequently the products must not be exposed to direct sunlight or kept in a vehicle. Unopened, they have a shelf life of at least 3 months after delivery. 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 887	-5 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.

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

	Curing times Wecryl 887 (at 20 °C)
Pot life	approx. 12 min.
Rainproof	approx. 30 min.
Can be walked on / overlaid	approx. 1 h
Fully cured	approx. 3 hours

Higher temperatures will reduce curing times, while lower temperatures will increase curing times.

Application rate

1.67 kg/m² per mm layer thickness

Technical data

Density:

Wecryl 887 Comp. A (activated sand)	2.64 g/ml
Wecryl 887 Comp. B (Resin)	0.98 g/ml
Wecryl 887	1.67 g/ml

Product application


Application equipment/tools

To mix the product:

- Stirrer with spiral mixer head

To apply the product:

- Smoothing trowel
- Grouting

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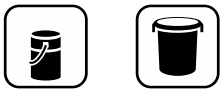
Substrate preparation
Clean the substrate and remove any dust or loose elements.
Wecryl 887 can then be applied directly to the asphalt substrate.
The substrate must be dry before application.
Flanking surfaces made of concrete should be primed with Wecryl 176.
Bituminous flanking surfaces should be primed with Wecryl 110.
To prime metal parts, use WMP 113.



Mixing
Shake the resin component and add all of it to the sand mixture. Then stir the entire contents for 3 minutes using a compulsory mixer (spiral mixer head). There must be no lumps or nodules and all the material on the base and walls of the container must be incorporated. To ensure that this is done, it is helpful to repot the material once during the mixing process.

Creating a repair compound:
To create a repair compound using Wecryl 887 as a base, stir WestWood® Hard Grain into the mixture. The mixing ratio should be a maximum of 1 part Wecryl 887 to 4 parts WestWood® Hard Grain.
Attention:
Catalyst does not need to be added! The catalyst is already included in the sand component. At low temperatures, however, the Wekat 900 catalyst can be added to accelerate curing. The amount of catalyst to be added must be calculated on the basis of the amount of resin in the overall mixture. Never add a quantity greater than 6%.

Application
Pour Wecryl 887 on the cleaned surface and immediately distribute it with a smoothing trowel. The mortar can be applied in layer thicknesses of up to 60 mm in a single operation, depending on the amount of WestWood® Hard Grain added.
To achieve greater slip resistance, WestWood® Hard Grain can be added to the Wecryl 887 as chipping or as a full-surface topping.
The minimum layer thickness depends on the filler material. Wecryl 887 without additional filler can be spread out to a thickness of 0.5 mm.

When grouting a cut, make sure that the tensile stress in the Wecryl 887 does not become excessive. The Wecryl 887 should therefore adhere only to the two sides of the cut, allowing it to expand well across the cut.
In addition, the layer thickness should be in a ratio of 1:1 to 1:2 (cut height to cut width), according to the cut width.

Preparation for subsequent layers:
None required

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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 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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