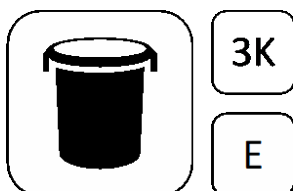


Wecryl 843

Repair and levelling mortar, fine



Brief description

Wecryl 843 is a fast-curing repair and levelling mortar used for filling and smoothing over faults and cavities in the substrate. Its properties also make it ideal for use on roads.

Material

3-component, fast-curing, highly filled PMMA-based (PMMA = polymethyl methacrylate) repair and levelling mortar with a formulated filler mix and which is variable in colour.

Properties and advantages

- Easy to apply
- Can also be applied at low temperatures from 0 °C
- Fast-curing
- Thermoplastic behaviour
- Stable under pressure
- Abrasion-resistant
- Watertight (subject to correct intermediate compression)
- Resistant to frost and de-icing salts
- Largely resistant to acids, alkali solutions and diesel
- UV-, hydrolysis- and alkali-resistant
- Solvent-free
- variable in colour

Applications

Wecryl 843 is used as a repair and levelling mortar as well as to even out gradients on hydraulically-bound and bitumen-bound substrates. Examples: It can be used as a reprofiling mortar under WestWood products, as a replacement for mastic asphalt or asphalt concrete, as a mortar for the sub-base of manhole frames, for pressure distribution when the road surface is deformed or rutted, broken asphalt surfaces and for use as fixing mortar, e.g. on manhole covers.

Pack size



Summer:	Winter:	
5.00 kg	5.00 kg	Wecryl 420 (resin component)
8.00 kg	8.00 kg	Wecryl 843 S (sand component)
<u>0.06 kg</u>	<u>0.12 kg</u>	Wekat 900
13.06 kg	13.12 kg	
15.00 kg	15.00 kg	Wecryl 420 (resin component)
24.00 kg	24.00 kg	Wecryl 843 S (sand component)
<u>0.20 kg</u>	<u>0.40 kg</u>	Wekat 900
39.20 kg	39.40 kg	

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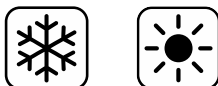
Colours

RAL 7030 Stone grey
 RAL 7032 Pebble grey
 RAL 7043 Traffic grey B
 Other RAL colours are available on request.

Storage

Store products sealed in their original packaging and in a cool, dry and frost-free place. Avoid warm storage areas even for brief periods, for example on site. Consequently, the products must not be exposed to direct sunlight nor kept in a vehicle. The unopened product has a shelf life of at least 6 months after delivery. 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 843	-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 catalyst

	Reaction times for Wecryl 843 (at 20 °C)
Pot life	approx. 20 min
Rainproof	approx. 30 min
Can be walked on/ overcoated	approx. 1 hour
Curing time	approx. 3 hours

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

The following table shows the recommended amount of catalyst to be added to the resin to adjust the curing reaction in line with the temperature.

Product	Substrate temperature in °C / Required amounts of catalyst in % w/w (guide)									
	+3	5	10	15	20	25	30	35	40	
Wecryl 420 (Resin)	3%	2%	2%	1.5%	1.5%	1.5%	1%	1%	1%	

Consumption rates

2.1 kg/m² per mm layer thickness

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Technical data

Density:	
Wecryl 843	2.08 g/cm ³
Wecryl 420 (resin component)	1.80 g/cm ³
Wecryl 843 S (sand component)	2.65 g/cm ³

Product application



Application equipment / tools

For mixing the product:

- Stirrer with spiral mixer head

For applying the product:

- Smoothing trowel

Substrate preparation

The mortar is applied on top of the hardened WestWood Wecryl Primer.

To ensure better application, the primer can be lightly topped with quartz sand 0.2 - 0.6.

Mixing

Stir the rolled surfacing, add all of it to the sand mixture and then stir with a compulsory mixer (spiral mixer head) until a smooth consistency is achieved (no lumps). Then add the catalyst while stirring the resin at the slow-speed setting and stir entire contents for 3 minutes. 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.



Application

Pour the mortar onto the primed surface, compress and finish immediately with a smoothing trowel. The mortar can be applied in layer thicknesses of up to 50 mm in a single operation.

Important: Please make sure that the mortar is worked well into the corners (compacted).

Preparation for subsequent layers:

None required

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.



Product information sheet

Wecryl 843 Repair and levelling mortar, fine

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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