

Wecryl 420

Roller-applied coating



Brief description

Wecryl 420 is used as a wearing layer for WestWood® systems.

Offering excellent abrasion-resistance and non-skid properties, this product was developed specifically as heavy-duty surfacing and can be applied to asphalt substrates without a primer.

The surface can be of any colour and this coating can even be used to create patterns or car park markings and for traffic guidance.

Material

2-component, rapid-curing, flexibilised, pigmented and filled PMMA-based (polymethyl methacrylate) coating

Properties and advantages

- Maximum abrasion resistance
- Maximum anti-skid properties
- Variable roughness
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Chloride-resistant
- Choice of various RAL colours
- Pattern and colour design possible
- Easy and fast application
- Fast-curing
- Solvent-free

Areas of application

- Parking areas, garages and courtyards, without heavy-goods traffic
- Hotel driveways and terraces
- Footpaths and cycle paths, footbridges
- Schoolyards
- Town and market squares
- Outdoor cafés and beer gardens

Pack size



Summer:

15.00 kg Wecryl 420
0.20 kg Wekat 900
 15.20 kg

Winter:

15.00 kg Wecryl 420
0.40 kg Wekat 900
 15.40 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.

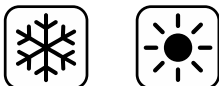
Storage

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.

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Application conditions



Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl 420	-10 to +35	-5 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

	Wecryl 420 (at 20 °C, 1.5% Wekat 900)
Pot life	approx. 10 min
Rainproof	approx. 30 min
Can be walked on/ overcoated	approx. 45 min
Curing time	approx. 2 hours

Higher temperatures or greater proportions of catalyst will shorten reaction times, while lower temperatures and smaller proportions of catalyst will extend reaction times.

The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

Product	Substrate temperature in °C; required amounts of Wekat 900 in % w/w (guide)											
	-10	-5	+3	5	10	15	20	25	30	35	40	45
Wecryl 420	-	3%	3%	2%	2%	1.5%	1.5%	1.5%	1%	1%	1%	-

Consumption rates

Consumption

approx. 1.2 - 1.5 kg/m²

depending on the roughness of the substrate

Technical data

Density:

1.60 g/cm³

Skid resistance:

R 11

Product application



Application equipment / tools

For mixing the product:

- Mixing tool with twin-paddle stirrer

For applying the product:

- Aluminium blade approx. 60 cm or
- Smoothing trowel

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Surface treatment with:

- Sheepskin roller

Substrate pre-treatment

Wecryl 420 can be applied either to the hardened Wecryl Primer or to the hardened WestWood® self-levelling mortar, as required. Generally, no primer is necessary on asphalt surfaces (when older than 90 days).



Mixing

First stir the tub contents thoroughly.

Then add the catalyst while stirring the resin at the slow-speed setting and mix for 2 minutes. Make sure that the product on the base and sides of the container is also mixed in. Ideally the product should be re-potted once before stirring again.

At product temperatures < 10 °C the product should be stirred for 4 minutes, as the catalyst will take longer to dissolve.

Application

Use a smoothing trowel to spread the material evenly and smooth it over, using the particle size as a guide to layer thickness.

To achieve the desired finish, the freshly coated area needs to be worked with a sheepskin roller.

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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