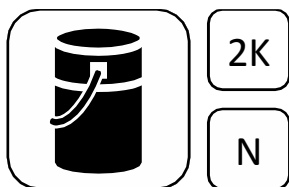


Product information

Wecryl 420

Roller-applied Coating



Brief description

Wecryl 420 is designed as a versatile PMMA coating for application to bituminous substrates and as part of the Wecryl systems. Offering excellent abrasion-resistance and non-skid properties, Wecryl 420 was developed specifically as heavy-duty surfacing and can be applied to asphalt substrates without a primer. The product is used as a prime surfacer, a topping layer and final course on external surfaces that are subject to pedestrian and vehicular traffic, such as roads and plazas; furthermore it is used for coloured road markings as well as for coating mastic flooring incorporating toppings. The surface can be of any colour and this coating can even be used to create patterns or car park markings and traffic guidance.

Material

2-component, fast-reactive, 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)
- Any RAL colour
- Pattern and colour design possible
- Easy and fast application
- Fast-curing
- Solvent-free

Areas of application

- Parking areas, forecourts and outdoor plazas
- Coloured road markings
- Footpaths and cycle paths (note SRT values)
- Courtyards, schoolyards, pedestrian guidance systems
- Town and market square, restricted-zone markings
- Repair and reprofiling product for road ironwork and street furniture, including manholes, gullies, pavement failures, potholes etc.

Pack size



Summer:	Winter:
15.00 kg Wecryl 420	15.00 kg Wecryl 420
<u>0.20 kg</u> Weplus catalyst	<u>0.40 kg</u> Weplus Catalyst
(2 x 0.1 kg)	(4 x 0.1 kg)
15.20 kg	15.40 kg

Colours

Wecryl R 420 is available in the following standard colours:
 RAL 7030 Stone grey
 RAL 7032 Pebble grey
 RAL 7043 Traffic grey
 Other RAL colours are available on request.

Product information

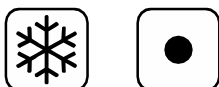
Wecryl 420

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Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. Unopened products have a shelf life of at least 6 months. 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 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.

Humidity and 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)
Pot life	approx. 12 minutes
Rain-proof	approx. 30 minutes
Can be walked on / overcoated	approx. 45 minutes
Curing time	approx. 2 hours

Higher temperatures or greater proportions of catalyst will reduce reaction times, while lower temperatures and smaller proportions of catalyst will increase 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 catalyst 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%	-

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Wecryl 420 Roller-applied Coating

Consumption rates

0.8 – 2.2 kg/m²

Smoothing over or surfacing of uneven areas following substrate pre-treatment such as fine milling, bush-hammering or shot-blasting. Depending on the condition of the surface (evenness, roughness, texture and porosity).

1.2 – 1.8 kg/m²

Receiver for mineral toppings (Mandurax, ALOC, SiC, Qz)

0.8 – 1.2 kg/m²

Smooth, light and medium duty Sealer for topped surfaces as part of a WestWood system or on mastic asphalt, particle size 0.30 to 0.90 mm

0.6 - 0.9 kg/m²

Technical data

Density:

1.60 g/cm³

Product application



Application equipment / tools

For mixing the product:

- Twin-paddle stirrer

For applying the product:

- Aluminium blade approx. 60 cm or
- Smoothing trowel

Surface treatment with:

- Sheepskin roller

Substrate pre-treatment

Wecryl 420 can be applied either to the hardened Wecryl Primer, the hardened Weproof 264 / 269 or to the hardened WestWood Self-levelling Mortar, as required. Primer is not required on asphalt surfaces.

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 on the base and sides of the container is mixed in. Ideally the roller-applied coating should therefore 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, go over the area with a sheepskin roller.

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Cleaning

If work is interrupted or when it is completed, clean the tools thoroughly with Weplus 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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