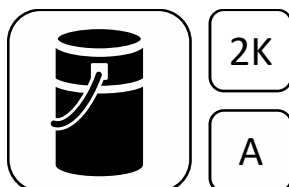


Wecryl 240 /-thix

Flexible waterproofing compliant with ETAG 033 and TL/TP-BEL-B 3 (1995)

Component of the Wecryl Waterproofing System under asphalt



Brief description

Wecryl 240 /-thix is a high-quality, extremely flexible PMMA-based waterproofing resin used as a sealing layer with improved crack-bridging properties under asphalt in accordance with ETAG 033 and ZTV-ING (Supplementary Technical Regulations and Guidelines for the Protection and Maintenance of Concrete Components) Part 6 Section 3 (TL/TP-BEL-B 3 (Technical Delivery Conditions / Technical Test Specifications for Construction Materials used in Bridge Deck Surfacing on Concrete with a Waterproofing Layer), 1995). Furthermore, the product can be used as a sealing layer under poured asphalt in accordance with DIN 18532-6. Its application in liquid form makes seamless waterproofing of continuous areas possible – without embedded nonwoven reinforcement. Wecryl 240 /-thix is a component of the Wecryl Waterproofing System Under Asphalt.

Material

2-component, fast-curing, highly flexible, crack-bridging PMMA-based waterproofing resin (PMMA = polymethyl methacrylate)

Characteristics and benefits

- Highly flexible with outstanding crack bridging, even at temperatures as low as -20 °C (100,000 dynamic cycles, and also tested in accordance with crack-bridging class B 4.2 at -30 °C)
- Tested and approved in accordance with TL/TP-BEL-B 3 (1995) as a sealing layer for bridge deck surfacing on concrete
- Waterproofing resin without nonwoven reinforcement
- Static crack-bridging after exposure to stress > 8.0 mm
- Very good adhesion to both poured and rolled asphalt, and consequently good shear strength
- Fully bonded to the substrate, no seepage
- Fast, simple application
- Rapid curing
- Solvent-free

Areas of application

Wecryl 240 /-thix is used for waterproofing concrete structural components with separating cracks and routine mechanical stress, e.g. on bridges, sunken motorways and tunnel floors. Wecryl 240 /-thix serves as a highly flexible waterproofing layer with outstanding crack-bridging properties under protective and covering layers of poured or rolled asphalt for foot and vehicle traffic.

Pack size



Summer:	Winter:	
25.00 kg	25.00 kg	Wecryl 240 /-thix
<u>0.50 kg</u>	<u>1.00 kg</u>	Wekat 900
25.50 kg	26.00 kg	

Standard colour

7044 silk grey

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Storage

Store products sealed in their original airtight container in a cool, dry, frost-free place. The unopened products have a shelf life of at least 12 months from the date of delivery.

Direct sunlight should be avoided on the containers, including on site. 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 (°C)		
	Air	Substrate*	Material
Wecryl 240 /-thix	-5 to +35	+3 to +40*	+5 to +30

* The substrate temperature must be at least 3 °C above the dew point during application and curing.

Humidity

The relative humidity must be ≤ 90%.

The surface to be coated must be dry.

The surface must be protected from moisture until the coating has hardened.

Curing times and required amounts of catalyst

	Wecryl 240 /-thix (at 20 °C, 2% Wekat 900)
Pot life	approx. 15 min
Rainproof	approx. 45 min
Can be walked on / overlaid	approx. 1.5 hours
Fully cured	approx. 3 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 (°C); required amounts of catalyst in % w/w (reference values)												
	-10	-5	+3	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50
Wecryl 240 /-thix	-	-	6%	6%	4%	4%	2%	2%	2%	2%	1%	-	-

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Application rates

Application rate: $\geq 2.4 \text{ kg/m}^2$

Technical specifications

Density:
Wecryl 240 /-thix 1.12 g/cm^3

Product application



Application equipment / tools

For mixing the product:

- Twin-paddle stirrer

For applying the product:

- Waterproofing without nonwoven material: notched rubber squeegee (11 mm) and spiked steel roller

Substrate to be coated

Apply the waterproofing resin to the cured WestWood® primer or to the suitably prepared substrate.

Mixing

First stir the contents of the container thoroughly, then add the catalyst while stirring with a slow-speed stirrer and mix for at least 2 minutes. Make sure that the product is incorporated on the bottom and sides of the container. At product temperatures $\leq 10^\circ \text{C}$ the product will take longer to dissolve and should therefore be stirred for at least 4 minutes.



Application

Apply a generous and even layer of the mixed material to cover the entire area (at least 2.4 kg/m^2) and distribute with a notched rubber squeegee. Go over the coated area immediately with a spiked steel roller to deaerate the Wecryl 240.

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.



Product information sheet

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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 sites mean it is necessary for the installer to test the product to verify its suitability 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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