

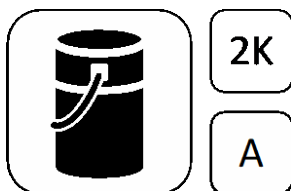


Product information sheet

# Wecryl 274 /-thix

## Flexible waterproofing in compliance with TL/TP-BEL-B 3 (1995)

Component of Wecryl waterproofing system under mastic asphalt (ZTV-ING)



### Brief description

Wecryl 274 /-thix is a high-quality, extremely flexible PMMA-based waterproofing resin that is used as a sealing layer with improved crack-bridging properties under mastic asphalt in accordance with ZTV-ING (Supplementary Technical Regulations and Guidelines for the Protection and Maintenance of Concrete Components) part 7 section 3 (TL/TP-BEL-B 3 (Technical Delivery Conditions / Test Regulations for Construction Materials used in Bridge Deck Surfacing on Concrete with a Waterproofing Layer, 1995)). Furthermore the product may be used as a sealing layer under mastic asphalt in accordance with DIN 18532-6. Its liquid application makes the seamless waterproofing of continuous areas possible - without an embedded fleece.

Wecryl 274 /-thix is a component of the Wecryl waterproofing system under mastic asphalt.

### Material

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

### Properties and advantages

- Highly flexible and extremely crack-bridging, even at temperatures up to and including -20 °C (100,000 dynamic cycles, as well as tested in accordance with crack-bridging class B 4.2)
- Tested and approved in accordance with TL/TP-BEL-B 3 (1995) as sealing layer for bridge deck surfacing on concrete
- Waterproofing resin without embedded fleece
- Static crack-bridging after exposure to stress > 11.6 mm
- Very good adhesion to mastic asphalt and therefore good shear strength
- Fully bonded to the substrate, therefore no flow paths underneath for water
- Easy and fast application
- Fast-curing
- Solvent-free

### Applications

Wecryl 274 /-thix is used for the waterproofing of concrete structural components with separating cracks and regular mechanical stress, e.g. on parking decks, bridges, trough structures and tunnel floors. Wecryl 274 /-thix serves as a highly flexible waterproofing layer with outstanding crack-bridging properties under protective and covering layers for surfaces subjected to foot and vehicle traffic.

### Pack size



Summer:	Winter:	
25.00 kg	25.00 kg	Wecryl 274 /-thix
<u>0.50 kg</u>	<u>1.00 kg</u>	Wekat 900
25.50 kg	26.00 kg	

### Colours

RAL 7030 Stone grey

### Storage

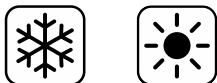
Store products sealed in their original airtight container and in a cool, dry and frost-free place. The unopened product has a shelf life of at least 6 months after delivery. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

# Wecryl 274 /-thix

## Flexible waterproofing in compliance with TL/TP-BEL-B 3 (1995)

Component of Wecryl waterproofing system under mastic asphalt (ZTV-ING)

### Application conditions



### Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl 274 /-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.

### Moisture

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.

### Reaction times and required amounts of catalyst

	Wecryl 274 /-thix (at 20 °C, 2% catalyst)
Pot life	approx. 15 min
Rainproof	approx. 45 min
Can be walked on/overcoated	approx. 1.5 h
Curing time	approx. 3 h

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 Wekat 900 in % w/w (guide)												
	-10	-5	+3	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50
Wecryl 274 /-thix	-	-	4%	4%	4%	4%	2%	2%	2%	2%	1%	-	

### Consumption rates

Consumption in accordance with ZTV-ING (TP-BEL-B 3):

approx. 3.2 kg/m<sup>2</sup>

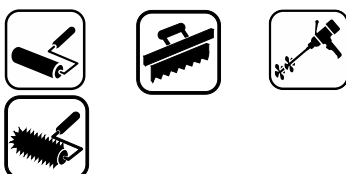
Consumptions differ due to the country specific requirements and have to be agreed in advance.

### Technical data

#### Density:

Wecryl 274 /-thix 1.12 g/cm<sup>3</sup>

### Product application



#### Application equipment / tools

For mixing the product:

- Mixing tool with twin-paddle stirrer

For applying the product:

Two-layer application in accordance with ZTV-ING (TP-BEL-B 3)

- Waterproofing without fleece: Notched rubber squeegee (7 mm) and spiked steel roller

## Wecryl 274 /-thix Flexible waterproofing in compliance with TL/TP-BEL-B 3 (1995)

Component of Wecryl waterproofing system under mastic asphalt (ZTV-ING)

### 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 2 minutes. Make sure that the product on the base and sides of the container is mixed in. At product temperatures  $\leq 10$  °C the product will take longer to dissolve and should therefore be stirred for at least 4 minutes.

### Two-layer application in accordance with ZTV-ING (TP-BEL-B 3)

Apply a generous and even first layer of the mixed material to cover the entire area (at least 1.6 kg/m<sup>2</sup>) and distribute with a rubber squeegee. Go over the coated area immediately with a spiked roller.

Once the first layer has cured (approx. 45 minutes), apply the second layer of Wecryl 274 /-thix (at least 1.6 kg/m<sup>2</sup>) and distribute it over the surface using a rubber squeegee.

Go over this second layer again with a spiked roller while the resin is still wet. The third layer is the WestWood Tack Resin bonding agent.

WestWood Tack Resin creates the perfect bond between waterproofing and mastic/rolled asphalt. Consumption is just 400 g/m<sup>2</sup>.

### Cleaning

When work is interrupted or 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 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.

Rev.: 08 January 2021