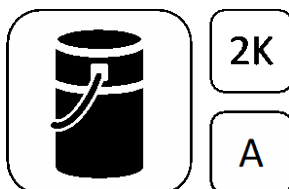


# Wecryl 273 /-thix

## Waterproofing under Protective and Covering Layers

Component of the Wecryl Surface Protection System OS 10



### Brief description

Wecryl 273 /-thix is a high-quality and highly flexible PMMA waterproofing resin that is installed as a waterproofing layer with superior crack-bridging properties under protective and covering layers to create areas suitable for foot and vehicle traffic according to the DAfStb guidelines "Protection and repair of concrete components" (class 10). Furthermore the product may be used as a sealing layer under mastic asphalt in accordance with TL/TP-BEL-B 3 and DIN 18532-6. Its liquid application makes the seamless waterproofing of continuous areas possible - with or without an embedded fleece. Wecryl 273 /-thix is a component of the Wecryl Surface Protection System OS 10.

### Material

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

### Properties and advantages

- Highly flexible and crack-bridging even at temperatures as low as and including -20 °C (class B 4.2)
- Class OS 10 approval according to the guideline for the protection and repair of concrete components issued by the German Committee on Reinforced Concrete (DAfStb), October 2001
- Tested and approved in accordance with TL/TP-BEL-B 3 (draft 2012) as sealing layer for bridge deck surfacing on concrete
- Permanently weather-resistant (UV-, hydrolysis- and alkali-resistant)
- Fully bonded to the substrate, therefore no flow paths underneath for water
- Easy and fast application
- Fast-curing
- Solvent-free

### Applications

Wecryl 273 /-thix is used for the waterproofing of concrete structural components with separating cracks and regular mechanical stress, e.g. on parking decks, bridges, trough and tunnel floors. Wecryl 273 /-thix serves as a highly flexible waterproofing layer with superior crack-bridging properties under protective and covering layers for surfaces subjected to foot and vehicle traffic.

### Pack size



Summer:	Winter:	
10.00 kg	10.00 kg	Wecryl 273 /-thix
<u>0.20 kg</u>	<u>0.40 kg</u>	Wekat 900
10.20 kg	10.40 kg	
25.00 kg	25.00 kg	Wecryl 273 /-thix
<u>0.50 kg</u>	<u>1.00 kg</u>	Wekat 900
25.50 kg	26.00 kg	

### Colours

RAL 7032 Pebble grey

### 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.

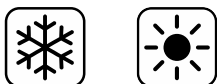
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Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

### Application conditions



### Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl 273 /-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 273 /-thix (at 20 °C, 2% catalyst)
Pot life	approx. 15 min
Rainproof	approx. 45 min
Can be walked on/ overcoated	approx. 1.5 hours
Curing time	approx. 3 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 Wekat 900 in % w/w (guide)												
	-10	-5	+3	+5	+10	+15	+20	+25	+30	+35	+40	+45	+50
Wecryl 273 /-thix	-	-	4%	4%	4%	4%	2%	2%	2%	2%	1%	-	-

### Consumption rates

Waterproofing with fleece: approx. 3.0 kg/m<sup>2</sup>

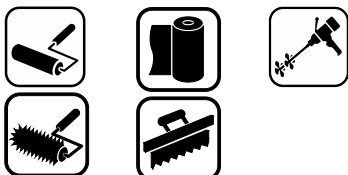
Waterproofing without fleece: approx. 3.2 kg/m<sup>2</sup>

### Technical data

Density:

Wecryl 273 /-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:

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

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### 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.

### Application

- a) waterproofing with embedded fleece  
Use a sheepskin roller or notched rubber squeegee to apply a generous and even layer of the mixed material to cover the entire area (at least 1.6 kg/m<sup>2</sup>), then immediately embed the WeVlies and go over the area with a sheepskin roller to remove any air bubbles. Immediately afterwards apply the remaining material (wet in wet, at least 1.4 kg/m<sup>2</sup>) up to the required consumption rate (total consumption at least 3.0 kg/m<sup>2</sup>). A sheepskin roller or notched rubber squeegee can be used to distribute the first layer. A sheepskin roller must be used for application of the second layer.  
Fleece overlaps must be installed with at least 5 cm overlap.
- b) waterproofing without embedded fleece  
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. 90 minutes), apply the second waterproofing layer of Wecryl 273 /-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.
- c) waterproofing without embedded fleece under mastic asphalt  
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. 90 minutes), apply the second waterproofing layer of Wecryl 273 /-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 asphalt.  
Consumption is just 400 g/m<sup>2</sup>.



Product information sheet

## Wecryl 273 /-thix Waterproofing under Protective and Covering Layers

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### **Preparation for subsequent layers:**

See WestWood installation guide for Wecryl Surface Protection System OS 10.

### **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.

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