

### Product information sheet

## Wecryl 847

### Adhesive and reinforcement mortar



### **Brief description**

We ryl 847 is a fast-curing and flexible mortar for fixing and embedding heating mats in the WestWood ramp heating system.

### Material

2-component, fast-curing, filled and flexible, PMMA-based mortar (PMMA = polymethyl methacrylate)

### **Properties and advantages**

- Easy to apply
- Can also be applied at low temperatures from 0 °C
- Fast-curing
- Hydrolysis- and alkali-resistant
- Solvent-free

### Areas of application

As part of the WestWood ramp heating system, Wecryl 847 is perfectly designed to fix heating mats to the substrate and embed them in the surfacing system.

Pack size





Summer: Winter:

 15.00 kg
 Wecryl 847
 15.00 kg
 Wecryl 847

 0.10 kg
 Wekat 900
 0.30 kg
 Wekat 900

15.10 kg 15.30 kg

### Colours

Shade 7035 Light grey

### 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 847	-5 to +25	+3 to +30*	+3 to +20				

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

### Moisture

The relative humidity must be  $\leq$  90%.

The surface to be coated must be dry and ice-free.

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

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# Reaction times and required amounts of catalyst

	Wecryl 847			
	(at 20 °C, 0.6% catalyst)			
Pot life	approx. 15 min			
Rainproof	approx. 30 min			
Can be walked on/				
overcoated	approx. 1 hour			
Curing time	approx. 3 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)										
	-5	+3	+5	+10	+15	+20	+25	+30	+35	+40	
Wecryl 847	-	1.8%	1.8 %	1.2%	1.2 %	0.6%	0.6 %	0.6 %	0.4%	0.4 %	

**Consumption rates** 

 $\begin{tabular}{lll} \hline \textbf{Consumption} \\ Embedding the heating mat & min. 9.0 kg/m^2 \\ Levelling layer & min. 2.0 kg/m^2 \\ \hline \end{tabular}$ 

**Technical data** 

1.71 g/cm<sup>3</sup>

### **Product application**





### Application equipment / tools

For mixing the product:

- Mixing tool with twin-paddle stirrer

For applying the product:

- Smoothing trowel

Density:

### Substrate preparation

Wecryl 847 Adhesive and Reinforcement Mortar is applied on top of a hardened WestWood primer or WestWood waterproofing system.

### Mixing



First stir the tub contents thoroughly. Then add the Wekat 900 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 mixed in.

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

### **Application**

### **Embedding the heating mat**

Spread Wecryl 847 evenly on top of the heating mats once they have been correctly aligned and connected.

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Use the trowel to work the resin well into the carrier mesh of the heating mat for optimum adhesion to the substrate and also to ensure that the heating elements are fully embedded.

### As levelling layer

Use a trowel to spread a second layer of Wecryl 847 evenly over the hardened embedding layer. Avoid leaving trowel marks. Make sure that the heating mats are completely enclosed.

### **Preparation for subsequent layers**

No preparation required

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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