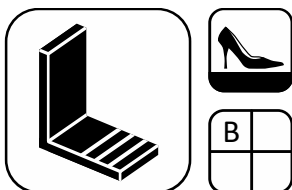


WestWood Drainage System



Short description

The WestWood drainage system is an economical, quick solution for sealing wet substrates on terraces, balconies, etc.

Please note: these installation instructions are intended as additional information for the Wecryl waterproofing system and only describe the implementation steps and products up to the Wecryl 198 primer layer on the WestWood 800 Drainage Mat.

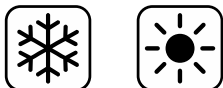
Characteristics and benefits

- Able to seal damp substrates
- Durable system for walking surfaces
- Low layer profile, total thickness approx. 8 mm
- Fast, simple installation
- Meets DIN 18531-5 building regulations

Areas of application

Implementing waterproofing systems for foot traffic areas in places such as balconies, arcades, terraces, etc. where the substrate moisture is too high for direct application of liquid-resin coating.

Application conditions



Temperatures

The system can be applied in an ambient temperature range from 0 °C to +35 °C.

Please refer to information on the Wecryl waterproofing system for details.

Product	Temperature range (°C)		
	Air	Substrate*	Material
Primer layer			
Wecryl 198 (unpigmented)	+3 to +35	+3 to +40*	+3 to +30
PCI Nanolight	+5 to +25	+5 to +25	+5 to +25
PCI Gisogrund Rapid	+10 to +25	+10 to +25	+10 to +25

* 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 and free of ice.

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

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Application rates and curing times

Product	Application rate [kg/m²]	
Primer layer		
PCI Gisogrund Rapid	0.1	
PCI Nanolight	approx. 1.3	(notched trowel 8 mm)
Wecryl 198 (unpigmented)	1.0	on the drainage mat

Product	Curing time (approx. values at 20 °C)			
	Pot life	Rainproof	Overlayable	Fully cured
PCI Gisogrund Rapid	60 min	10 min	10 min	10 min
PCI Nanolight	-	-	approx. 120 min*	approx. 2 days
Wecryl 198	15 min	30 min	45 min	2 hours

* according to information from WestWood

Application tools



Product	Application tool
Wecryl 198	sheepskin roller
PCI Nanolight	right angle notched trowel, 8 mm
PCI Gisogrund Rapid	sheepskin roller

Substrate preparation and installation of the system components

Correct substrate preparation and a proper primer coating are essential to ensure the functional durability of the WestWood system. Generally, the substrate (concrete/screed) must be sound, dry and free from loose or adhesion-reducing particles. That is why coats of paint, cement slurry, dirt and grease, for instance, must always be removed completely. As a rule this is done by shot blasting, scarifying or grinding and then vacuuming off the debris.

The basic structure of the system is as follows:
 concrete/screed
 bonding primer (PCI Gisogrund Rapid)
 tile adhesive (PCI Nanolight or Weber xerm 859 F)
 WestWood 800 Drainage Mat
 Wecryl 198 primer (unpigmented)
 Wecryl waterproofing system

Bonding primer:

The bonding primer is rolled onto the prepared substrate, avoiding the formation of puddles.

After about 10 minutes, the application is dry and the process can continue with the next step.

Tile adhesive (PCI Nanolight):

The tile adhesive is applied to the primed substrate with a right angle notched trowel according to the manufacturer's instructions. Careful attention should be paid to the set time of the adhesive. The amount of adhesive to apply should only be what is necessary for a further sheet.

WestWood Drainage System

WestWood 800 Drainage Mat

The WestWood 800 drainage mat is rolled carefully onto the tile adhesive and pressed evenly with care by hand or with a sheepskin roller. Then use a pressure roller on the mat to embed it properly in the tile adhesive. The nonwoven underside of the mat must be wetted completely. Freshly glued mats must not be disturbed for at least two hours (at 20 °C). Until the adhesive is completely cured (which takes about 2 to 3 days), the mat should be walked on only with great care and with the aid of means to distribute the load (such as sheets of wood or insulation board). The mats should be butted together, and excess tile adhesive must be removed without delay. Sheet installation is done with the short side of the sheet toward the edge for deaeration

Primer:

The exposed edges of the drainage mats must be covered carefully with masking tape.

Then a primer coat of Wecryl 198 unpigmented (approx. 1.3 kg/m²) is applied to the mats until all holes on the upper side are filled.

The greatest care must be exercised here as well when stepping on the boards. Load distributing materials such as insulation boards should be used. Remove the masking tape immediately after the primer is applied.

End profile:

Ideally, the drainage mat should be de-aired on the end face. To do this, an end profile or drip plate should be adhered to the edges with Wecryl 810, taking care to leave sufficient distance from the de-airing channels (about 1-2 cm).

Waterproofing layer

Please refer to information on the Wecryl waterproofing system for further processing.

Detail waterproofing

Please refer to information on the Wecryl waterproofing system.

Expansion joint waterproofing

Please refer to the "Detail interfaces" brochure for waterproofing different types of joints.

Protective layer

As per the Wecryl waterproofing system.

Cleaning 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. The tools are ready to be used again as soon as 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 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



Installation guideline

WestWood Drainage System

variety of requirements and conditions on site 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.

Appendix

System drawing

Last revised: 15 April 2025

WestWood® Drainage System

Substrate

- 1 Concrete, for example, mechanically pre-treated
- 2 Deep primer (such as PCI Gisoground Rapid)
- 3 Tile adhesive (such as PCI Nanolight)
- 4 WestWood® 800 Drainage Mat

Primer layer

- 5 Wecryl 198

Waterproofing layer (detail)

- 6 Wecryl R 230
- 7 WeFleece
- 8 Wecryl R 230

Waterproofing layer (main area)

- 9 Wecryl R 230 -thix
- 10 WeFleece
- 11 Wecryl R 230 -thix

Protective layer

- 12 Wecryl 333 / Wecryl 337 (only on floor area)

Wearing layer

- 13 a) Wecryl 488 (489) + WestWood®Chips
- or alternatively with
- b) Wecryl 488 (489) + WestWood®quartz sand
- c) Wecryl 420

