

Product information

Wethan 141

1C PUR primer for mineral substrates



Brief description

Wethan 141 is a one-component product used to prime absorbent substrates before these are subsequently coated with Wethan polyurethane waterproofing systems.

Material

1-component, fast-curing polyurethane-based resin primer

Properties and advantages

- Low viscosity
- Easy and fast application
- Fast-curing
- Good penetrating properties, even at low temperatures
- Resistant to a wide range of chemicals

Areas of application

Wethan 141 is generally used as a fast-curing primer for absorbent substrates such as concrete, mortar, wood etc., before they are subsequently waterproofed with Wethan polyurethane systems. Wethan 141 is used to close pores in the substrate. It also improves the adhesion of the coating material while at the same time stabilising the substrate.

Packaging

5 kg container



Colours

Transparent

Storage

Store products sealed in their original airtight container and in a cool, (+5 °C to +30 °C), dry and frost-free place. Unopened products have a shelf life of at least 9 months. Direct sunlight on the containers should be avoided, including on site. Once opened, the contents of the containers must be used up.

**Application conditions
(at 50% rel. humidity)**

The product can be applied within the following temperature ranges:



Product	Temperature range, in °C		
	Air	Substrate*	Material
Wethan 141	+5 to +35	+5 to +35*	+8 to +35

The time required for the product to dry is reduced at higher temperatures and higher humidity.

Lower temperatures and low humidity extend the drying times.

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Reaction times

Ambient temperature	+ 10 °C	+ 20 ° C	+ 30 °C
Overcoatable	3-4 hours	2-3 hours	1-2 hours
Can be subjected to full loads after	7 days	7 days	7 days

Important: Wethan 141 must still be slightly tacky when the Wethan polyurethane waterproofing system is applied. Consequently the interval between application of the primer and the next coat must not be longer than 4 hours.

Consumption rates

On non-absorbent substrates: approx. 200 g/m²
 On absorbent substrates: approx. 200 – 300 g/m²
 A second coat may need to be applied.

Technical data

Adhesion to concrete > 1.8 N/mm² (concrete failure)
 Shore hardness A 95

Product application



For mixing the product:

- Twin-paddle stirrer

For applying the product:

- Sheepskin roller
- Brush (only for areas not accessible with the sheepskin roller)

Substrate to be coated

The primer must only be applied to a prepared substrate. Maximum residual moisture in the substrate < 5 %, measured using the CM method. Please refer to the appropriate application guideline for information about correct surface preparation.

Mixing

The one-component product must be stirred briefly with an electric stirrer or manually.

Application

Use the sheepskin roller to apply an even film-forming coat of primer. Avoid creating puddles. After a sufficient interval apply a second coat to cover any defects (bubbles, areas not fully closed over).

Important - please note

The subsequent WestWood Wethan products should start to be applied after approx. 2 - 3 hours and after not more than 4 hours. The primer should still be slightly tacky. Failure to do this might reduce adhesion between the primer and the next layer.

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Cleaning the tools

If work is interrupted or when it is completed, clean the tools thoroughly with Weplus Cleaning Agent. 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.

For the safe handling of polyurethane resins and hardeners, please refer to the following information sheets: M 044 "Manufacture and application of polyurethanes / isocyanates" (published by: Berufsgenossenschaft der Chemischen Industrie [Chemical Industries Association]). Furthermore the important physical, safety, toxicological and ecological data can be found in the substance-specific EC safety data sheets.

General information

The application advice on the use of our products is based on extensive development work as well as long years of experience and is given to the best of our knowledge. However, the wide variety of requirements on site under the most diverse conditions mean that it is necessary for the applicator to test the product for its suitability in any given case. We reserve the right to make changes to reflect advances in technology or improvements to our products.

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