



Waterproofing liquid membrane

weberdry PUD

High performance UV-resistant polyurethane dispersion waterproofing membrane



- Highly flexible
- Seamless waterproofing membrane
- Excellent adhesion on porous and non-porous substrates
- One-component, ready to use
- Solvent-free, non-toxic
- UV resistant



PACKAGING : 20 k.g./Bucket
COLOR : grey / white / green
COVERAGE : average 10-13.3 m²/20 kg bucket

weberdry PUD is a one-component, solvent-free liquid applied waterproofing membrane. **weberdry PUD** is highly flexible and UV-resistant. **weberdry PUD** provides the semi-gloss finished and suitable for exterior applications e.g., waterproof roof decks, terraces, balconies, and metal roofs.

Substrate preparation

- The substrate should be dry with moisture content below 6%. The surface should be level, clean without any oil or dust. Make good any unsound area before the application of **weberdry PUD**
- The surface temperature must be 3°C above the dew point at the time of application.
- Apply as a primer **weberdry PUD** by adding and thoroughly mixing together 10-20% water to the product and apply (~ 0.4 kg/m²) on cement based substrate or as per below table.

Substrate	Primer
Concrete	weberdry PUD + 10-20% water
Brick/ stone	weberdry PUD + 10-20% water
Bitumen based coating	Ask advice from technical team weber
Metals	
Wooden substrates	Subject to adhesion & compatibility
Paint/ coating	

* Bitumen based coating: Ensure of good adhesion to the substrate. Prime the entire area and always use "High build system".

** Metal substrate must be in good condition. Abrade the surface to reveal bright metal, to remove all rust and stain. If the metal is not sound, epoxy or any appropriate primer is recommended.

*** Wood panel roof decks have to be in good condition, firmly adhered or proper mechanical fixed.

- Leave the primed surface to be tack-free for approximately 1-2 hours before the main two coat waterproofing application.
- Waiting time after 1st layer : 2 hr.

SHELF LIFE AND STORAGE

12 months when stored unopened in a dry and ventilated area. Storage condition at temperature between 5 °C-35 °C

Product preparation

- Stir the product very well using a mechanical mixer to obtain a uniform material and colour after opening the bucket.
- Do not mix **weberdry PUD** with water unless using as primer

Remarks

- Not use for situation where ponding water can exist
- Concrete should be at least 28 days old before application of the product

Remarks

- Always start the detail application prior to waterproofing on horizontal surface.
- All joints should be treated with **weberdry fleece** or **webertape BE 14**.
- The previous layer must be cured and tack-free before the application of consecutive layer.
- Waiting times between layers are based on 20 – 30°C with 50% relative humidity.

Tools

Brush: a thick hair brush

Roller: with a solvent resistant, short-hair roller

Airless spray machine: use only for standard systems.

For spray applied application, a minimum 2 layers with cross direction to be applied. For the best performance, the pump should have the following parameter:

- minimum pressure = 220 bar/min. output: 5.1 l/min.
- minimum O nozzle: 0.83 mm (0.033 inch).

TECHNICAL DATA	
Type	Polyurethane dispersion waterproof
Density	1.35 g/cm ³ at +23°C
Service temperature	-5°C to +80°C (with weberdry fleece)
Tensile strength – ASTM D412	>1.5 N/mm ² (without reinforcement)
	>6.5 N/mm ² (with weberdry fleece)
Elongation at break – ASTM D412	>725% (without reinforcement)
	>80% (with weberdry fleece)
Rain resistance	2-8 hours
Full cure	7 days
Durometer hardness shore A heat aging at 80°C for 7 days	15
Durometer hardness shore A	72
Adhesion to substrate	>1.2 MPa
Water permeability EN14891	No water permeation

Remark: These test results are from laboratory test. They could be slightly different from on-site results because of the differences in applications and conditions