

weberdry Ultraflex T25

Waterproofing slurry for applications requiring high performance and resistance to positive and negative water pressure

Technical Data Sheet

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■ Description

Applied safely against positive and negative water pressure on areas where high performance required like foundations, curtain walls, basement floors, water tanks and inverted terrace systems. Provides high-performance waterproofing against ground moisture, temporary and permanent water pressure. Also resistant to sulphate, chlorine, soil chemicals and sea water.

■ Reference standards

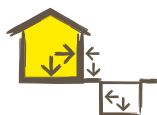
TS EN 1504-2, TS EN 15814, TS EN 14891
CE

■ Advantages

- Easy and quick completion of work on large areas
- 2.5 mm crack bridging
- Suitable for application without primer on damp substrates
- Resistant to rain and frost in a short time with rapid setting feature
- High mechanical strength
- Resistant to sulphate, chlorine, soil chemicals and sea water
- Perfect adherence on substrate and single-piece layer
- Resistant to positive and negative water pressure
- Various application areas and high performance
- Safe for using on wet areas, terraces, swimming pools and water tanks
- Suitable for coating applications like tiling etc.
- UV resistant

■ Application areas

Used against positive and negative water pressure on foundations, curtain walls and basements of all buildings. Provides high-performance waterproofing against ground moisture, temporary and permanent water pressure. Also suitable for use in wet areas like balconies, bathrooms, toilets and kitchens; water tanks and inverted terrace systems.



■ Application substrates

- Interior and exteriors;
- Cement based renders and screeds,
 - Concrete,
 - Old tiles (**weberprim TG 5** applied),

Please consult us for all other application substrates.

■ Preparation of substrates

- The substrate should be clean, damp, smooth and sound.
- Major deformations and holes on the substrate should be repaired at least 24 hours before **weber dry Ultraflex T25** application using **weberep** repairing mortars.
- Vertical and horizontal edges should be beveled to ensure continuity of waterproofing layer using **weberep** repairing mortars or **weber köşebant 100/120** products should be applied on these areas.
- **weber superflex dilatation products** should be used for the continuity of waterproofing on dilatation joints.
- Porous substrates like concrete, cement based renders should be wetted with clean water and waited until the water layer disappears and leaves a damp substrate.
- **weberprim max** primer should be used before the application where surface strength improvement and/or high performance required.

■ Application conditions

- Ambient temperature between +5°C and +30°C.
- Avoid application in extremely hot and/or damp weathers.
- Should not be used on frozen or melting substrates, or substrates with the risk of frost within 24 hours.

■ Application

- For each coat, slowly add 15 kg of powder component to 15 kg of liquid component and mix using a low-speed mixer for 2-3 minutes to a homogenous consistency.
- The mixture should be aged 2 minutes then mixed again before application.
- **weberdry Ultraflex T25** is applied on the entire substrate at least in 2 coats using brush or trowel. Application of each coat should be perpendicular to the previous one.
- Wait at least 4 hours between coats.

■ Application tools

Hand mixer, brush, roller, trowel

■ Consumption

2.5-3.0 kg/m² (for 2 mm application thickness)

Points of attention

- Not applicable on wood, chipboard, plywood and metal substrates.
- Should not be left open where might be exposed to direct sunlight.
- Prepare the mixture by only using liquid component provided, do not ever add water.
- Do not ever add any foreign materials.
- Dilatation joints on application substrates should not be covered with **weberdry Ultraflex T25**; **weber superflex dilatation tapes** should be used instead to ensure the continuity of waterproofing.
- Movable points, horizontal and vertical edges in wet area applications should be supported with weber köşebant corner waterproofing tapes.
- weberdry Ultraflex T25** applied substrates should be protected against direct sunlight, air circulations and frost for 1 day.
- A protective coat should be applied on **weber dry Ultraflex T25** where substrates may subject to mechanical impacts.
- Wait at least 12 hours after **weberdry Ultraflex T25** application before starting the next one.
- All tools used during the application should be cleaned with water right after use before drying.

Storage

Packaging	15 kg kraft bag and 15 kg plastic can
Colour	Grey
Shelf life	<ul style="list-style-type: none"> 1 year from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment. Liquid component should be protected against frost. Packages should be kept tightly closed when not in use. Lumped or petrified products should not be used.

Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

LEGAL DISCLAIMER

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The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures.

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Technical specifications

PRODUCT	weberdry Ultraflex T25
Product structure	Two components
Colour	Grey
Mortar density	2,00±0,05 g/cm³
pH value (mortar)	12-12,5
Mixing ratio	1 : 1 (powder : liquid)
APPLICATION	
Pot life	1 hour
Time to wait between coats	4 hours
Time to wait before tiling application	Min. 1 day (23°C, %50 relative humidity)
Time to gain resistance to rain	8 hours
Time to get water impermeable against pressurised water	14 days
Max. application thickness	Approx. 2 mm (2,75 kg/m²)
PERFORMANCE	TS EN 1504-2
Vapour transmission	Class 1
Capillary water absorption and water impermeability	≤0,1 kg/m²h ^{0,5}
Crack bridging	≥2 mm
Adhesion to concrete	≥0,8 MPa
Fire class	BI
	TS EN 15814
Resistance to rain	Pass
Resistance to water	Pass
Flexibility in low temperatures	Pass
Dimensional stability at high temperatures	Pass
Watertightness	W2B
Resistance to compression	C2B
	TS EN 14891
Water impermeability	≥5 bar
Water impermeability in negative pressure	≥5 bar
Crack bridging (+23°C)	≥2,5 mm
Crack bridging (-20°C)	≥1,5 mm
Tensile adhesion strength	≥0,5 N/mm²
Tensile adhesion strength after water contact	≥0,5 N/mm²
Tensile adhesion strength after heat treating	≥0,5 N/mm²
Tensile adhesion strength after freeze-thaw cycles	≥0,5 N/mm²
Tensile adhesion strength after immersion in lime water	≥0,5 N/mm²
Tensile adhesion strength after contact with chlorinated water	≥0,5 N/mm²

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