LUXURY® CONCRETE

Concrete Finish WT Max.

Concrete Finish WT Max is especially recommended as a protective sealant for microcement both indoors and outdoors. It is recommended as a sealant for flooring, sports courts, wood, parquet, wet areas or high-traffic areas, and in general for those surfaces that require a good aesthetic finish and protection.

Properties

- Excellent resistance to water and chemical agents (see Table). Low permeability to liquid water and moderate breathability, which helps maintain the durability and good condition of the structure.
- Very good abrasion resistance and high hardness.
- Suitable for both exterior and interior use, on vertical and horizontal surfaces.
- Does not yellow under the action of sunlight.
- Compatible with a wide range of media.
- Easy to apply.
- Available in various degrees of gloss (Supermatte, Matte, Satin and Gloss)

Presentation

It comes in 3L (Component A) + 1L (Component B) containers.

Technical details

CHEMICAL RESISTANCE:
Medium absorption method UNE-EN ISO 2812-3:2020

Legend
5: No visible changes.
4: Slight change, only visible with a change in light
3: Moderate visible mark.
2: Significant mark without affecting surface structure.
1: Significant mark, affects the surface structure.
The results obtained are based on the application of two layers of varnish, six hours apart. between layers and after 7 days of application. Contact with the chemical agent tested has 1, 3, 8, 24, and 48 hours, and one week.

Concrete Finish WT MAX						
	Time					
Product	1h	3h	8h	24h	48h	7 days
Water	5	5	5	5	5	5
Soap	5	5	5	5	5	5
Bleach	5	5	4	4		
Vinegar	5	4	4	3		
Oil	5	5	5	5		
Wine	5	5	4	4		
Ammonia cleaning	5	5	4			
Alcohol (70º)	4	4	3			
Sulfuric acid	4	3	3			
Caustic soda 10%	4	4	3			
Hydrogen peroxide 4.9% w/w	5	5	4			

Cleaning tools

Tools should be washed with soap and water immediately after use.

PROPERTIES	SPECIFICATION	UNIT	METHOD
Nature Comp. A	Water-based polyacrylate		
Density Comp. A	1,03±0.01	g/cm^3	UNE-EN ISO 2811-1
Viscosity at 23°C Comp. A	130-150	mPa·s	EN ISO 3219
Non-volatile contents Comp. A	22-23	%	UNE-EN ISO 3251:2020
pH Comp. A	7-8		UNE-EN ISO 19396-1:2020
Features Comp. B	Aliphatic polyisocyanate		
Non-volatile contents % Comp. B	100	%	UNE-EN ISO 3251:2020
Density Comp. B	1,14±0,1	g/cm^3	UNE-EN ISO 2811-1
Viscosity Comp. B	700-1500	MPa·s	UNE-EN ISO 2555
PROPERTIES	SPECIFICATION	UNIT	METHOD
Non-volatile contents Comp. A+B	45-47	%	UNE-EN ISO 3251:2020
Gloss (Supermatt/Matt/Satin/Gloss)	<5/ 5-7 / 15-35 / 35-80	Gu	UNE-EN ISO 2813
Persoz hardness 7 days	250	s	UNE-EN ISO 1522
VOC: 2024/42/IIA(j)(140) Max. VOCs	<5	g/L	
Pot life of mixture at 23°C	60	min	
Yield (2 layers)	5-8	m^2/L	
Application temperature	15-30	°C	
Drying time between layers	18-36	hours	
Total curing time	7	days	

Certifications

CE marking. Declared performance according to harmonised standard EN-1504-2 within the following system:

1 layer of non-absorbent primer: PRIMACRETE PLUS
2 layers of microcement preparation + resin: LIMECRETE L + CONCRETE RESIN
2 layers of microcement finish + resin: LIMECRETE S + CONCRETE RESIN
2 layers of pore-filling sealant: Primacrete Finish
2 layers of premium resistance water-based varnish (A+B): CONCRETE FINISH WT MAX

BENEFIT	RESULT	SPECIFICATION	METHOD
Determination of liquid water permeability	w = 0.0084 kg/m^2·h$^{0.5}$	w < 0.1 kg/m^2·h$^{0.5}$	UNE-EN 1062-3:2008
Determination of water vapour permeability	SD=24.85 (g/m^2 per day)	Class I: S_D<5m (permeable to water vapour) Class II 5m ≤ S_D ≤ 50m Class III S_D>50m (impermeable to water vapour)	UNE-EN ISO 7783:2019
Determination of adhesion by direct traction	σ = 2.43 MPa	Rigid Systems: ≥1.0 (0.7)b N/mm^2 (without traffic loads) and: ≥2.0 (1.5)b N/mm^2 (with traffic loads) Flexible systems: ≥0.8(0.5)b N/mm^2 (Without traffic loads) and ≥1.5(1.0)b N/mm^2 (With traffic loads) (Without traffic loads) and ≥1.5(1.0)b N/mm^2 (With traffic loads)	UNE-EN 1542:2000
Determination of carbon dioxide permeability	SD (m) = 58.3697 ± 5.78	SD>50 m	UNE-EN 1062-6:2003
Determination of abrasion resistance	31 milligrams	<3000mg	UNE-EN ISO 5470-1:2017

Preparation of the substrate

Before varnishing, the surface must be properly prepared. It must be dry, clean and free of dust, grease or dirt. If previously varnished or painted, The previous coating must be removed, especially if it is damaged or damaged. This can be done by sanding or stripping, ensuring that the surface is left in good condition. In the event that repair, consolidation or sealing is required of joints, proceed before applying the primer.
On mineral, cementitious or microcement surfaces, application is recommended.
Primacrete Finish primer. Apply two layers of Primacrete Finish and allow at least hours to elapse. 12 hours before sealing with Concrete Finish WT Max. For proper application of Primacrete Finish: see product data sheet.

Special precautions

It is essential to follow the instructions on the container label. For further information, consult the product safety data sheet. Empty containers must be disposed of in accordance with current legal regulations.

Application

Homogenise component A, then mix with component B by stirring at low speed in a ratio of 3 parts (in kg) of Component A Concrete Finish WT Max to 1 part of Component B Concrete Finish WT. The pot life at 23ºC is 1 hour.

It is recommended to apply a layer of Primacrete Finish before sealing with A Concrete Finish WT Max. Apply two layers of A Concrete Finish WT Max, allowing 18 to 36 hours drying time between layers. A short-pile velour roller or microfibre roller is recommended for application, although it can also be applied with a brush or spray gun. The first layer should be sanded with 400-grit sandpaper; the final layer does not require sanding.

Limitations and information to bear in mind

It is necessary to respect the drying times, as otherwise chemical resistance may be reduced, and there may also be a decrease in gloss or surface defects due to repellency.
Both Primacrete Finish and Concrete Finish WT Max should not be applied at temperatures below 15°C or above 30°C, as low temperatures and high ambient humidity delay drying and impair the appearance of the coating. Check adhesion in a corner or hidden area before proceeding with full varnishing.
Allow the polyurethane to cure for at least one week. Polyurethanes reach their full chemical properties after 7-14 days, depending on environmental conditions (humidity and temperature). Do not wet or use detergents before the indicated curing time.
As a sealant, the product waterproofs microcement against running water (occasional contact), but it is not a waterproofing agent against standing water (permanent contact). Clean with a non-abrasive damp cloth and our Ecoclean detergent or, failing that, with neutral soap to prolong the life of the sealant. Do not use aggressive cleaning products such as bleach, acetone or hydrochloric acid.
Good adhesion and compatibility have been verified between Luxury sealants: Concrete Finish WT Max and Concrete Finish One. Therefore, if a layer of Concrete Finish WT Max needs to be applied over a surface sealed with Concrete Finish One, only light sanding with 400-grit sandpaper will be necessary before applying the layer of Concrete Finish WT Max. Likewise, good compatibility has been proven between Concrete Finish WT Max and Concrete Finish DSV. Bear in mind that the resulting gloss will depend on the degree of gloss of the first layer. Do not place any type of carpet/doormat before the 15-day curing period has elapsed.

Storage

The product should be stored in its original sealed container and protected from outdoors at temperatures between 10ºC and 30ºC, in a dry and well-ventilated place.
ventilated, away from heat sources and direct sunlight. The usage time is 1 year from the date of manufacture, if stored properly.