LUXURY® CONCRETE

Concrete Finish WT Max.

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

Properties

- Excellent resistance to water and chemical agents (see Table). Low permeability to liquid water and moderate breathability which helps to maintain the durability and good condition of the structure.
- Very good abrasion resistance and high hardness.
- Applicable both outdoors and indoors, on vertical and horizontal surfaces.
- It does not yellow under the action of sunlight.
- Compatible with a wide range of brackets.
- Easy application.
- Available in various gloss grades (Super Matt, Matt, Satin and Gloss)

Presentation

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

Technical data

CHEMICAL RESISTANCES:
Absorbent medium method UNE-EN ISO 2812-3:2020

Legend
5: No visible change.
4: Slight change, only visible with light change
3: Moderate visible mark.
2: Significant marking without affecting surface structure.
1: Important mark, affects the surface structure.
The results obtained are based on an application of 2 layers of varnish, 6 hours between layers and after 7 days of application. Contact with the tested chemical agent has the time taken was 1,3,8, 24 and 48 hours and one week.

Concrete Finish WT MAX						
	Weather					
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			
Salfumán	4	3	3			
Caustic soda 10% Caustic soda	4	4	3			
Hydrogen peroxide 4.9% w/w	5	5	4			

Cleaning of tools

Tools are 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 23ºC 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
Characteristics Comp. B	Aliphatic polyisocyanate		
Non-volatile contents % Comp	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 (Super Matt/Matte/Satin/Gloss)	<5/ 5-7 / 15-35 / 35-80	Gu	UNE-EN ISO 2813
Hardness Persoz 7 days	250	s	UNE-EN ISO 1522
COV:2024/42/IIA(j)(140)Máx.COVs	<5	g/L	
Pot life mixture at 23ºC	60	min	
Performance (2 layers)	5-8	m^2/L	
Application temperature	15-30	ºC	
Drying time between layers	14-24	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 finishing + resin: LIMECRETE S + CONCRETE RESIN
2 layers of Primacrete Finish: Primacrete Finish
2 layers of the water-based premium resistance coating (A+B): CONCRETE FINISH WT MAX

BENEFIT	RESULT	SPECIFICATION	METHOD
Determination of the permeability to liquid water	w= 0.0084 Kg/m^2·h0,5	w < 0,1 Kg/m2·h0,5	UNE-EN 1062-3:2008
Determination of water vapour permeability	SD=24,85 (g/m^2 x día)	Class I:S_D<5m (water vapour permeable) Class II 5m≤S_D≤50m Class IIIS_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)bN/mm^2 (With traffic loads) Flexible Systems: ≥0,8(0,5)b N/mm^2 (No 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 the carbon dioxide permeability	SD (m) = 58,3697 ± 5,78	SD>50 m	UNE-EN 1062-6:2003
Determination of abrasion resistance	31 mg	<3000mg	UNE-EN ISO 5470-1:2017

Preparation of the support

Before varnishing, the substrate must be properly prepared. It must be dry, clean and free of dust, grease or dirt. If previously varnished or painted, the previous coating has to be removed, especially if it is damaged or deteriorated. It can be done by sanding or stripping, making sure that the surface is left in good condition in good condition. In the event of repair, consolidation or sealing being required the joint sealant must be applied before the primer is applied.
On mineral, cementitious or microcement surfaces, the application is recommended primacrete Finish. Apply two layers of Primacrete Finish and allow at least two hours to elapse 12 hours before sealing with Concrete Finish WT Max. For a correct Application of Primacrete Finish see product data sheet.

Special precautions

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

Application

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

It is recommended to apply a layer of Primacrete Finish before sealing with A Concrete Finish WT Max. Apply 2 layers of A Concrete Finish WT Max; allow 14-24 hours drying time between layers. It is recommended to use a short nap or microfibre velour roller for application, however, it is also suitable for brush or spray application. The first layer is sanded with 400 grit sandpaper and the last layer does not require sanding.

Limitations and information to be taken into account

It is necessary to respect the drying times, otherwise the chemical resistances may be reduced, and the degree of gloss may be reduced or surface defects may appear due to repellency.
Both Primacrete Finish and Concrete Finish WT Max must not be applied at temperatures below 15°C and not above 30°C, as low temperatures and high ambient humidity delay drying and impair the appearance of the coating. Check the adhesion in a corner or hidden area before proceeding with the total coating.
Allow the polyurethane to cure for at least one week. Polyurethanes reach their full chemical properties after 7-14 days, depending on the environmental conditions (humidity and temperature). Do not wet or use detergents before the indicated curing time. As a sealant, the product waterproofs the microcement against running water (occasional contact), but it is not a waterproofing against watertight water (permanent contact). Clean with a damp, non-abrasive cloth and our Ecoclean detergent or neutral soap to prolong the life of the sealant. Do not use aggressive cleaning products such as bleach, acetone or salfumán.
It has been proven that there is good adhesion and compatibility between the Luxury sealers; Concrete Finish WT Max and Concrete Finish One. Therefore, if a layer of Concrete Finish WT Max needs to be applied to a substrate sealed with Concrete Finish One, only a light sanding with 400 grit sandpaper is required before applying the layer of Concrete Finish WT Max. Concrete Finish WT Max or Concrete Finish DSV have also proven to be compatible with each other. Please note that the resulting gloss will depend on the gloss level of the first layer.

Storage

The product must be stored in its original closed container and protected from direct sunlight.in the open air at temperatures between 10ºC and 30ºC, in a dry and well-ventilated place, in a dry and well-ventilated place ventilated, away from heat sources and direct sunlight. The shelf life is 1 year from the date of manufacture, properly preserved.