



# TopSealer®



## Topsealer® WT Dragon Two-component varnish

Topsealer® WT Dragon is especially recommended as a protective sealer for microcement both indoors and outdoors. It is recommended as a sealer for floors, 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)

### Technical data

PROPERTIES	SPECIFICATION	UNIT	METHOD
Nature Comp. A	Water-based polyacrylate		
Density Comp. A	1,03±0.01	g/cm <sup>3</sup>	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
Characteristics Comp. B	Aliphatic polyisocyanate		
Non-volatile contents % Comp	100	%	UNE-EN ISO 3251:2020
Density Comp. B	1,14±0,1	g/cm <sup>3</sup>	UNE-EN ISO 2811-1
Viscosity Comp. B	700-1500	MPa-s	UNE-EN ISO 2555
PROPERTIES A+B (3:1)	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 at 23°C	60	min	
Performance (2 layers)	5-8	m <sup>2</sup> /L	
Application temperature	15-30	°C	
Drying time between layers	14-24	hours	
Total curing time	7	days	

**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. The contact with the chemical agent tested was 1,3,8, 24 and 48 hours and one week.

**TOPSEALER DRAGON**

PRODUCT	Contact time					
	1H	3H	8H	24H	48H	7 days
WATER	5	5	5	5	5	5
SOAP	5	5	5	5	5	5
LEJÍA	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 (70°)	4	4	3	-	-	-
SALFUMAN	4	3	3	-	-	-
CAUSTIC SODA 10% CAUSTIC SODA	4	4	3	-	-	-
HYDROGEN PEROXIDE 4.9% W/W	5	5	4	-	-	-

**Certifications**

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

- 1 layer of non-absorbent primer: PRIMACEM PLUS
- 2 layers of microcement preparation + resin: NATTURE L + ACRICEM
- 2 layers of microcement finishing + resin: NATTURE S + ACRICEM
- 2 layers of sealer: PRESEALER
- 2 layers of water-based premium resistance varnish (A+B): TOPSEALER WT DRAGON

BENEFIT	RESULT	SPECIFICATION	METHOD
Determination of the permeability to liquid water	$w = 0.0084 \text{ Kg/m}^2 \cdot \text{h} \cdot 0,5$	$w < 0,1 \text{ Kg/m}^2 \cdot \text{h} \cdot 0,5$	UNE-EN 1062-3:2008
Determination of water vapour permeability	$S_D = 24,85 \text{ (g/m}^2 \cdot \text{x día)}$	Class I: $S_D < 5\text{m}$ (water vapour permeable) Class II $5\text{m} \leq S_D \leq 50\text{m}$ Class III $S_D > 50\text{m}$ (impermeable to water vapour)	UNE-EN ISO 7783:2019
Determination of adhesion by direct traction	$\sigma = 2.43 \text{ MPa}$	Rigid Systems: $\geq 1,0$ (0.7)b N/mm <sup>2</sup> (without traffic loads) and: $\geq 2.0$ (1.5) <sup>b</sup> N/mm <sup>2</sup> (With traffic loads) Flexible Systems: $\geq 0,8$ (0,5)b N/mm <sup>2</sup> (No traffic loads) and $\geq 1.5$ (1.0)b N/mm <sup>2</sup> (With traffic loads)(Without traffic loads) and $\geq 1,5$ (1,0)b N/mm <sup>2</sup> (With traffic loads)	UNE-EN 1542:2000
Determination of carbon dioxide permeability	$SD \text{ (m)} = 58,3697 \pm 5,78$	$SD > 50 \text{ m}$	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 it has been previously varnished or painted, the previous coating must be removed, especially if it is damaged or deteriorated. This can be done by sanding or stripping, making sure to leave the surface in good condition. If repair, consolidation or joint sealing is required, proceed before priming.

On mineral, cementitious or micro-cement surfaces it is recommended to pre-apply Presealer. Apply a layer of Presealer and allow at least 12 hours to elapse before sealing with Topsealer® WT Dragon. For a correct application of Presealer see product data sheet.

## Application

Homogenise component A, then mix with component B by stirring at low speed in the ratio 3 parts (in kg) of component A Topsealer® WT Dragon to 1 part of component B Topsealer® WT. Pot life at 23°C is 1 hour.

It is recommended to apply a layer of Presealer before sealing with A Topsealer® WT Dragon. Apply 2 layers of A Topsealer® WT Dragon; 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 Presealer and Topsealer® WT Dragon should 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 Topciment sealants; Topsealer® WT Dragon and Topsealer® WT All in One. Therefore, if a layer of Topsealer® WT Dragon needs to be applied to a substrate sealed with Topsealer® WT All in One, only a light sanding with 400 grit sandpaper is required before applying the layer of Topsealer® WT Dragon. Topsealer® WT Dragon, Topsealer® WT 100, Topsealer® WT DSV and Topsealer® WT PRO+ FAST have also proven to be compatible. Please note that the resulting gloss depends on the gloss level of the first layer

## 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.

## Presentation

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

## Cleaning of tools

Tools are washed with soap and water immediately after use.

## Storage conditions

The product should be stored in its original closed container and protected from the weather at temperatures between 10°C and 30°C, in a dry and well ventilated place, away from heat sources and direct sunlight. The shelf life is 1 year from the date of manufacture, if stored properly.



The product must not be used for purposes other than those specified, without first having written instruction in its handling. It is always the responsibility of the user to take appropriate measures in order to comply with legislative requirements. The Safety Data Sheets of the product are available to the professional.

latest edition: January 2025