



TopSealer®



TopSealer® WT One Coat Two-component varnish

TopSealer® WT One Coat is a high-performance two-component water-based polyurethane varnish, especially recommended as a protective sealer for interior microcement. Available in various gloss grades.

Properties

- Easy application.
- Good resistance to water and chemicals (see Table),
- Good abrasion resistance and high hardness.
- Compatible with a wide range of brackets.

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 marking, 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.

TOPSEALER ONE COAT

PRODUCT	1H	3H	8H	24H	48H
WATER	5	5	5	5	4
SOAP	5	5	5	5	4
BLEACH	5	5	4	3	-
VINEGAR	4	3	3	2	-
OIL	5	5	5	-	-
WINE	5	5	4	-	-
AMMONIA CLEANING	5	4	4	-	-
ALCOHOL (70°)	4	4	3	-	-
MURIATIC ACID	4	4	3	-	-
10% LYE	4	4	3	-	-
HYDROGEN PEROXIDE 4.9% W/W	4	4	3	-	-

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
Characteristics 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 A+B (5:1)	SPECIFICATION	UNIT	METHOD
Non-volatile contents Comp. A+B	36-38	%	UNE-EN ISO 3251:2020
Gloss (Matt/Satin/Gloss)	9-14 / 15-35 / 35-80	Gu	UNE-EN ISO 2813
Taber Abrasion (CS17,1000g, 1000c)	80	mg	UNE 48250
Hardness Persoz 7 days	205	s	UNE-EN ISO 1522
Pot life mixture at 23°C	60	min	
Performance (2 layers)	0,15	L/m ²	
Application temperature	From 15°C to 30°C		
Drying time between layers	14-24	hours	
Total curing time	7	days	

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 microcement surfaces it is recommended to pre-apply Presealer. Apply two layers of Presealer and allow at least 12 hours to elapse before sealing with TopSealer® WT One Coat. For a correct application of Presealer see product data sheet.

Application

Homogenise component A and then mix with component B by stirring at low speed in the ratio 5 parts (in kg) of Component A TopSealer® WT One Coat to 1 part of Component B TopSealer® WT.

It is recommended to apply two layers of Presealer before sealing with A TopSealer® WT One Coat. Apply 2 layers of A TopSealer® WT One Coat; allow 14-24 hours drying time between layers. It is recommended to use a short pile velour roller or microfibre 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. It is necessary to respect the drying times, otherwise the chemical resistances may be reduced and the degree of gloss may decrease or surface defects may appear due to repellency.

Both Presealer and TopSealer® WT One Coat should not be applied 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 environmental conditions (humidity and temperature). Do not wet or use any detergents before the application of the indicated curing time.

As a sealer, TopSealer® WT One Coat waterproofs microcement against running water (occasional contact), but it is not a waterproofing against standing 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.

Good adhesion and compatibility between the Topciment sealants TopSealer® WT One Coat and TopSealer® WT All in One has been proven. Therefore, if a layer of TopSealer® WT One Coat needs to be applied over 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 One Coat. Please note that the resulting gloss will depend 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

Available in 5L (Component A) + 1L (Component B).

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.

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