



# TopSealer® DSV



## TopSealer® DSV

Topciment® Topsealer DSV is a two-component solvent based polyurethane sealer. Available in Matt, Satin or Gloss.

### Uses

The product is suitable for the protection of microcement in interiors and exteriors, on surfaces where high resistance to abrasion, water and chemical agents is required.

### Properties

- Excellent resistance to water and chemicals (see Table).
- 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 (Matte, Satin and Gloss)
- Significantly enhances the colour of microcement coverings.

### Technical data

PROPERTIES	SPECIFICATION	UNIT	METHOD
Nature Comp. A	Solvent based polyacrylate		
Density Comp. A	0.98±0.01	g/cm <sup>3</sup>	UNE-EN ISO 2811-1
Viscosity at 23°C Comp. A	160-200	mPa·s	EN ISO 3219
Non-volatile contents Comp. A	32-34	%	UNE-EN ISO 3251:2020
Characteristics Comp. B	Solvent-borne aliphatic polyisocyanate		
Non-volatile contents % Comp	30-32		UNE-EN ISO 3251:2020
Density Comp. B	0.96±0,01	%	UNE-EN ISO 2811-1
PROPERTIES A+B (2:1)	SPECIFICATION	UNIT	METHOD
Non-volatile contents Comp. A+B	31-33	%	UNE-EN ISO 3251:2020
Gloss (/Matt/Satin/Gloss)	(<9, 20-30,>80)	Gu	UNE-EN ISO 2813
Hardness Persoz 7 days	170	s	UNE-EN ISO 1522
Abrasion resistance	42	mg	UNE-EN ISO 7784-1:2023
COV:2024/42/IIA(j) (700)Máx.COVs	489.06	g/L	
Pot life mixture at 23°C	60	min	
Performance (2 layers)	4-6	m <sup>2</sup> /L	

Application temperature	10-30	°C	
Drying time between layers	8	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
BLEACH	5	5	5	4	-	-
VINEGAR	5	4	4	-	-	-
OIL	5	5	5	-	-	-
WINE	5	5	4	-	-	-
CLEANING AMMONIA	5	5	4	-	-	-
ALCOHOL (70°)	4	4	3	-	-	-
HYDROCHLORIC ACID CLEANER	4	3	2	-	-	-
CAUSTIC SODA 10%	4	4	3	-	-	-
HYDROGEN PEROXIDE 4.9% W/W	5	5	4	-	-	-

#### Preparation of the support

Before applying Topsealer® DSV it is essential to check that the substrate is dry and free of dust. Depending on the climatic conditions and the ventilation of the workspace, it will be necessary to allow between 24 and 48 hours to elapse before applying the polyurethane on the microcement.

If applied over old varnish, sand the surface well and remove any stains, grease, dust, etc. Check the adhesion in a corner or hidden area before proceeding with the total varnishing.

#### Application

Homogenise component A and then mix the 2 components by mechanical agitation. It is important to have a homogeneous mixture to avoid surface defects and gloss changes. The ratio of the two components is 2 parts Topsealer® DSV A to 1 part Topsealer® DSV B catalyst.

The presentation of both components respects the proportions of the mixture to facilitate its preparation. The pot life of the mixture (component A + component B) is 1 hour at about 20°C.

Apply the mixture with a spray gun or short pile velour roller. The application should be carried out at ambient temperatures between 10°C and 30°C. Before applying the second layer we recommend lightly sanding the first layer with 400 grit sandpaper. Wait between 8 hours and no more than 2 days before applying the second layer.

## 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.
- Topsealer® DSV must not be applied at temperatures below 10°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 salfuman.
- Topsealer® WT Dragon, Topsealer® WT 100, Topsealer® WT DSV and Topsealer® WT PRO+ FAST have proven to be compatible. Please note that the resulting gloss will depend on the gloss level of the first layer.

## Special precautions

Highly flammable product. Irritating to eyes and skin, prolonged exposure may cause skin dryness or cracking. Harmful by inhalation, inhalation of vapours may cause drowsiness and dizziness.

In case of contact with eyes, flush with plenty of water for 15 minutes and seek medical advice. In case of contact with skin wash with soap and water. Never use solvents or thinners. Do not swallow. If swallowed, do not induce vomiting and seek medical attention immediately.

### It is recommended to comply with the following measures:

- Good ventilation.
- Use of chemical absorbent face mask
- Protective goggles to avoid splashes.
- Rubber gloves.

Empty containers must be disposed of in accordance with current legislation. To prevent the product from drying out or thickening, close the lid after each use. Keep out of the reach of children. For further information please refer to the product safety data sheet.

## Presentation

It comes in 4+2 litre containers.

## Cleaning of tools

The tools are washed with solvent 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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