



TopSealer®



TopSealer® WT One Coat Two-component sealer

TopSealer® WT One Coat is a two-component water-based polyurethane varnish. High-performance varnish for the protection of pavements, sports courts, concrete, wood, parquet, and in general of those surfaces that look for a good aesthetic and protective finish. Especially recommended as a protective sealer for microcement, particularly indoors. Available in gloss, satin, matt and super-matt.

Properties

- Easy to apply.
- Good resistance to chemicals and water (see table).
- Drying time: 8-24 hours between coats.
- Good resistance to abrasion and scratches.
- No yellowing under the action of sunlight.
- Compatible with a wide range of substrates.

Uses and areas of application

Two-component polyurethane varnish for the protection and sealing of surfaces with a decorative finish. Formulated with hydroxylated polyester resins and isocyanates in a water-based, which give it extraordinary performance. It presents great transparency as well as a remarkable resistance to yellowing.

The varnished substrate is sealed, while maintaining its breathability to water vapour. Like all polyurethanes, it is highly resistant to wear, dirt and certain chemicals.

Ideal for application on our microcement system, conventional lime mortar and cement mortar.

It presents a very natural finish on wood, protecting it from wear and tear and weathering. For the renovation of parquets and as a transparent protective varnish for walls, floors and paving in general.

As a sealer, it waterproofs microcement against running water (occasional contact), but it is not a waterproofing agent against watertight water (permanent contact).

In case of soap or detergent residues, rinse immediately, as these can cause marks or grooves to appear.

Consumption

TopSealer® WT One Coat (2 layers) 0,15 L/m²

Mixing

Shake component A before use to homogenise the product and allow to stand for 30 minutes. Then mix the 2 components by stirring at low speed in the ratio of 5 parts (in kg) of Component A TopSealer® WT One Coat to 1 part of Component B TopSealer® WT One Coat (Catalyst). The pot life of the mixture (Component A + Component B) is 60 minutes at 20°C (68°F)

Technical data

- Colour: colourless, transparent (on dry film)
- Appearance: glossy, satin, matt or super matt
- König hardness (14 days cure): 200 seconds
- Total solids (A+B): 35 ±1%.

Component A Characteristics

- Dispersion of waterborne polyacrylate and aliphatic diisocyanates
- Solids: 22 ±2%
- Viscosity (CF - 4): 25±3s at 25°C
- pH: 7 - 8

Component B Characteristics

- Aliphatic diisocyanate
- Solids: 100
- Flash point: 105°C
- Density at 25°C: 1,045 - 1,055 g/mL

Preparation of the substrate

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 sealing of joints is required, proceed prior to installation.

On mineral, cementitious or micro-cement surfaces it is recommended to apply Presealer beforehand.

Apply two coats of Presealer and allow at least 12 hours to elapse before sealing with TopSealer® WT One Coat.

In the case of wood, pre-seal with a wood sealer lacquer and sand, according to the manufacturer's instructions. Subsequently apply two coats of TopSealer® WT One Coat.

Application

Prior to sealing with TopSealer® WT One Coat, the use of a primer (Presealer) is recommended. For best results, two coats of Presealer are recommended, 4h between coats. After 12h, apply 2 coats of TopSealer® WT One Coat, allow at least 8h drying time between coats. If the drying time between coats exceeds 24h, the product will repel. It is necessary to respect drying times otherwise the chemical resistances may be reduced, the gloss of satin and glossy finishes may decrease or appear surface defects due to repellency.

Both Presealer and TopSealer® WT One Coat must not be applied at temperatures below 15°C and not above 30°C, as low temperatures and high ambient humidity delay the drying time and impair the appearance of the coating.

The first coat is sanded with 400 grit and the last coat does not require sanding. 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).

It can be applied by spray, brush or roller, covering the surface well.

Maintenance

- Allow the polyurethane to dry for at least one week before wetting.
- Polyurethanes reach their full chemical properties after two weeks.
- Do not use detergents or coatings before two weeks.
- Clean with a damp 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.

Special precautions

Follow the instructions in the safety data sheet.

It is recommended to comply at least with the following measures:

- Good ventilation.
- Protective goggles to prevent splashing.
- Rubber gloves.

In case of contact with eyes, flush with plenty of water for 15 minutes.
In case of contact with skin wash with soap and water. Do not swallow. In case of ingestion do not induce vomiting and seek medical attention immediately. Do not dilute with water.

Empty containers must be disposed of in accordance with current legislation.
Keep out of the reach of children.

Packaging

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

Cleaning of tools

Tools are washed with soap and water immediately after use.

Shelf life of the product

The shelf life of the mixture (component A + component B) is 60 minutes at about 20°C

Test reports

Resistance to liquids. Absorbent medium method UNE EN2812-3/UNE EN13442.

Appearance	Assessment
No visible change (no damage).	5
Slight change in gloss or colour, visible only when the light source is reflected on the test surface or very close to the mark and is reflected back to the eye of the observer, or some isolated marks are barely visible.	4
Moderate marking visible under different angles, e.g. the full outline of the filter paper is barely visible.	3
Major marking, but the surface structure remains unchanged.	2
Major marking, where the surface structure is altered or the material is completely or partially removed or the filter paper adhered to the surface.	1

	Supermate			Matt			Satin			Gloss		
	Time											
Substance	3h	8h	24h	3h	8h	24h	3h	8h	24h	3h	8h	24h
Water	5	5	5	5	5	5	5	5	4	5	5	5
Bleach	5	5	4	5	5	4	5	5	4	5	5	5
Soda 30% Soda	4	4	3	4	4	3	3	2	1	4	3	2
Oil	3	3	3	3	3	3	5	5	5	5	5	5
Vinegar	3	3	2	3	3	2	3	3	2	3	3	2
Salfumant (HCl)	3	3	2	3	3	2	3	3	2	3	3	2
Wine	5	5	5	5	5	5	4	4	4	4	4	3
Soap 10% Soap	5	4	4	5	4	4	4	3	3	5	5	4
Soap 10% 4 days			3			3			3			3

Storage conditions

The product should be stored in its original closed packaging and protected from the weather at temperatures between 10°C and 30°C, in a dry and well ventilated place, away from sources of heat 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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