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TopSealer® WT ONE COAT

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.

Available in gloss, satin, matt and super-matt.

Characteristics

- Easy to apply.
- Very good resistance to chemicals, water and alkalis.
- Good resistance to abrasion and scratches.
- No yellowing under the action of sunlight.
- Compatible with a wide range of substrates
- Breathable

Uses / Areas of application

Two-component polyurethane for protection, sealing and as a decorative finish, formulated with water-based hydroxylated polyester resins that give it extraordinary performance. It presents great transparency as well as a remarkable resistance to yellowing. The treated substrate material is waterproofed, while maintaining its breathability to water vapour. Like all polyurethanes, it is highly resistant to wear, dirt and certain chemicals.
As a finishing coat on properly primed metals. Ideal for application on our microcement system, concrete substrates, conventional lime and cement mortars. It presents a very natural finish on wood, protecting it from wear and tear and the weather. For the renovation of parquets and as a transparent protective varnish for walls, floors and paving in general, such as sports courts or stamped concrete.

Consumption

TopSealer ® WT One Coat (2 coats) 0,15 L/m^2

Mixing

Shake the 2 containers before use. Then mix the 2 components by shaking at low revolution in the ratio 5 parts (in kg) of TopSealer ® WT A to 1 part of TopSealer ® WT B catalyst.

Technical data

- Colour: colourless (on dry film)
- Appearance: glossy, satin, matt or super matt
- König hardness (14 days cure): 193 seconds
- Total solids (A+B): 42 ±2%.

Characteristics of Component A

- Water based polyacrylate dispersion and aliphatic diisocyanates
- Solids: 30 ±2%
- Density: 1.02 ±0.01 g/ml
- Viscosity: 20 - 30" at 25ºC CF - 4
- pH: 7 - 9

Characteristics of Component B

- Aliphatic diisocyanate
- Contains <0.1% free HDI
- Solids: 100 %.
- Flash point: 105ºC
- Density at 25ºC: 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 to priming prior to installation. On mineral or cementitious surfaces, the prior application of Presealer is recommended.

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

In case of metallic surfaces, clean the surface properly in order to remove rust, grease, dirt, etc. In case of old paints in bad condition, proceed to remove them by basting, stripping or sanding. Apply a metal primer.
In the case of ferrous metals, use a suitable anti-corrosion primer. Finally protect it by applying two coats of TopSealer ® WT One Coat.

Application

Prior to sealing with TopSealer ® WT One Coat, the use of a primer is recommended. For microcement apply Presealer. It will be necessary to allow 4 hours after applying Presealer two coats before proceeding to seal with TopSealer ® and allow 24 hours between coats of TopSealer ® to dry. Not to be applied at temperatures below 15°C and not above 30°C.

It can be applied by spray, brush or roller, covering the surface well. For best results, it is recommended to apply two coats of the product. The second coat is applied after 24 hours (low temperatures and ambient humidity delay drying). The first coat is sanded with 400 grit sandpaper 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)

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 cover 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 hydrochloric acid.

Special precautions

The following measures are recommended:

- Good ventilation.
- Protective goggles to avoid splashes.
- 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. If swallowed 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

It comes in 5+1 litre containers.

Cleaning of tools

Tools are washed with soap and water immediately after use.

Pot life of the product

The pot life of the mixture (component A + component B) is 60 minutes at approx. 20°C.

Storage conditions

The product should be stored in its original closed packaging and protected from the weather at temperatures between 10ºC and 30ºC, 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.

Test reports

- The tests have been carried out in an officially accredited external laboratory (AIDIMME).
- Abrasion resistance. Taber method: UNE 48250. 1000 cycles/1000g. The tests have been carried out with S-42 sandpaper, applied load of 1000gr during 1000 cycles obtaining excellent results in the three finishes (gloss, satin and matt).
- Resistance to liquids. Medium absorbent method UNE EN2812-3 / UNE EN13442.

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