

# Concrete Finish WT.

**Concrete Finish WT is a water-based sealer to protect microcement. It is applied after Primacrete Finish in two coats. Available in matte, satin or gloss.**



## Properties

- Easy application.
- Very good resistance to chemical agents, water and alkalis.
- Good resistance to abrasion and scratches.
- Does not yellow under the action of sunlight.
- Compatible with a wide range of substrates.
- Breathable.

## Uses and areas of application

Two-component polyurethane for protection, sealing and decorative finishing, formulated with water-based hydroxylated polyester resins that give it extraordinary performance. It is highly transparent and has a remarkable resistance to yellowing. The treated substrate material is waterproofed, while maintaining its breathability to water vapor. Like all polyurethanes, it is highly resistant to wear, dirt and certain chemical products.

As a finishing varnish on properly primed metals. Ideal for conventional lime and cement. It presents a very natural finish on wood, parquets and as a transparent protective varnish for walls, floors and pavements in general, as in sports courts or stamped concrete.

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

In the case of soap or detergent residues, rinse immediately, since these can generate the appearance of marks or grooves.

## Technical data

- Color: colorless (in dry film)
- Appearance: gloss, satin or matte
- König hardness (14 days cure): 193 seconds
- Total solids (A+B): 42 ±2% (A+B): 42 ±2%.

## Mix

Shake component A before use in order to homogenize the product and let it stand for 30 minutes. Then mix the 2 components by stirring at low speed in the proportion of 5 parts (in kg) of Concrete Finish WT A to 1 part of Concrete Finish WT B catalyst.

## Consumption

Consumption for Concrete Finish WT:

- 0,15 L/m<sup>2</sup> (2 layers)

## Comp. A Characteristics

- Dispersion of waterborne polyacrylate and aliphatic diisocyanates.
- Solids: 30 ±2%.
- Density: 1,02 ±0,01 g/ml
- Viscosity: 20 - 30" at 25°C CF - 4
- pH: 7 - 9

## Comp. B Characteristics

- Aliphatic diisocyanate
- Contains <0,1% free HDI
- Solids: 100 %.
- Flash point: 105°C
- Density at 25°C: 1,045 - 1,055 g/mL

## 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 coat before two weeks.
- Clean with a damp cloth and our Concrete Clean detergent or neutral soap to prolong the life of the sealant. Do not use aggressive cleaning products such as bleach, acetone or salfumán.

## 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 joint sealing is required, proceed before priming. In mineral or cementitious surfaces it is recommended the previous application of Primacrete finish.

In the case of wood, seal previously with a wood sealer lacquer and sand, according to the manufacturer's instructions. Then apply two coats of Concrete Finish WT.

In the case of metallic surfaces, to clean correctly the same one, with the purpose of eliminating rest of oxide, greases, dirt. In the case of old paints in bad condition, proceed to its elimination by sandblasting, pickling or sanding. Apply a primer for metal.

In the case of ferrous metals, use a suitable anticorrosive primer. Finally protect by applying two coats of Concrete Finish WT.

## Application

Prior to sealing with Concrete Finish WT, the use of a primer is recommended.

For microcement apply Primacrete Finish. It will be necessary to allow 4 hours after applying Primacrete Finish two coats before sealing with Concrete Finish WT and allow 24 hours between coats of Concrete Finish WT. It should not 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 to the total varnishing.

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).

Drying times must be respected, otherwise the chemical resistance may be reduced and the gloss and shine may be diminished.

## Special precautions

It is recommended to comply with the following measures:

- Good ventilation
- Protective goggles to avoid splashes.
- Rubber gloves.

In case of contact with eyes, rinse 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 should be disposed of in accordance with current legislation. Keep out of reach of children.

## 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 matte).
- Resistance to liquids. Medium absorbent method UNE EN2812-3 / UNE EN13442.

## Storage conditions

It should be stored in its original closed container and protected from the weather at temperatures between 10°C and 30°C and 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 properly stored.

## Packaging

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

## Cleaning of tools

Tools are washed with soap and water immediately after use..

## Product pot life

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