

TOPSEALER WT

One Coat

Topsealer WT One Coat is a slightly alkaline two-component polyurethane, ideal for protecting microcement.

The system is composed of a polyurethane dispersion and aliphatic catalyst.



Properties

- Quick drying and easy to apply.
- Very good resistance to chemicals, water, oil, soft drinks, coffee, glass cleaner, ammonia (from 4 hours of exposure), etc. Sensitive to acetone (from 30 minutes of exposure) and vinegar (2 hours of exposure), bleach, wine.
- Good resistance to abrasion and scratch.
- Non-yellowing under sun exposure.

Mix

Stir both contents and then, mix both components by shaking them in a 20 %. Mixing both products correctly will avoid the appearance of tiny holes and undesired shines on the surface due to deficient dispersion.
5 parts (in kg) of Topsealer WT A per 1 of Topsealer WT B catalyst.

In order to facilitate its preparation, the packaging of both components allows mixing ratio to remain equal.

Amount needed

2 coats: 0.15 l/m²

Technical data

- Colour: colourless (dry film)
- Appearance: satin, matte or gloss
- König Hardness: 14 days of curing, 193 seconds
- Total solids (A+B): matte 43%, satin 40,5%, gloss 40,2%.

Component A characteristics

- Acrylic dispersion in water base
- Solids: matte: 31,5% , satin 28,7% , gloss 28,3%
- Density: 1.019 g/ml
- Viscosity: 20 - 30 s at 25°C CF - 4
- PH: 7 - 9

Component B characteristics

- Aliphatic polyisocyanate
- Solids: 100 %
- Flash point: 105°C
- Density at 25°C: 1.045 - 1.055 g/ml

Application

Before sealing with Topsealer WT One Coat, it is advisable to use the primer called Presealer. It will be necessary to let it dry 4 hours after applying the Presealer and 12 hours between layers of Topsealer WT.

It should not be applied at temperatures below 15°C, and it is recommended to apply the product at temperatures ranging from 18°C and 24°C.

It should be applied in one coat using a spray gun covering all the surface. However, to obtain a better result, two coats could be applied, using a spray gun or polyester fiber roller. Let the first coat dry for 12 hours and sand it with a 400-grit sandpaper (low temperatures and/or ambient humidity delays drying). Last coat does not need any sanding. If applied over an old varnish, sand down the surface well and remove any traces of stains, grease, dust, etc.

Test adhesion first in a small, inconspicuous area before proceeding to seal the whole surface.

Maintenance

- Let the polyurethane dry for at least 1 week before wetting it or walking on it.
- Polyurethane gets its complete chemical resistance 2 weeks after its application.
- Do not use detergents nor cover the surface less than 2 weeks after the application
- In order to extend useful life of sealants, clean the surface with a wet cloth and neutral liquid detergent, the use of bleach is not recommended.

Special precautions

It is recommended to comply with the following measures:

- Good air circulation.
- Safety glasses.
- Rubber gloves.

If the product comes into contact with eyes, wash immediately with plenty of clean water during 15 minutes. In the event of contact with skin wash with water and neutral PH soap. Do not ingest. If swallowed accidentally, do not induce vomiting and seek medical assistance. Do not dilute with water.

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

Packaging

Topsealer WT is packed in containers of 5+1 litres.

Cleaning of tools

Tools should be cleaned with water and soap immediately after use.

Pot life

The pot life is 30 minutes at about 20°C.

Storage conditions

The product should be stored in its closed original packaging, protected from weather conditions at temperatures between 10°C and 30°C in a dry and well ventilated place, away from direct heat and sunlight. Shelf life is 1 year from the date of production, if stored in well-preserved conditions.

The product should not be used for purposes other than those specified without first having instructions in writing. It is always the user's responsibility to take suitable measures in order to comply with the requirements established in local legislation. Product safety sheets are available for professionals. This technical data sheet will be valid until a new edition appears.

Last updated: July 2018

Products that stain, temperature and contact time		
Products that stain	Liquid temperature (°C)	Contact time
Distilled water	20	(24±1) h
Detergent	20	(24±1) h
Acetone (min. purity of 99.5%)	20	(120±10) s
Ethyl alcohol (50%)	20	(24±1) h
Red wine (10-12%)	20	(24±1) h
Red wine vinegar, solution of acetic from 3 to 5% by volume	20	(24±1) h
Olive oil	20	(24±1) h
Hydrochloric acid diluted to 10% with water	20	(24±1) h
Coffee	20	(24±1) h
Bleach	20	(24±1) h
Ammonia diluted 10% with water 20 (8±1) h	20	(8±1) h
Blue/black ink	20	(24±1) h
Water	20	(24±1) h

Evaluation of stained area	
Appearance	Results
No visible changes (no damage)	5
Changes in brightness or colour, visible only when light source is reflected in the tested area or close to the mark and it is reflected to the eye of the observer, or presence of some isolated barely visible marks.	4
Visible moderate mark under different angles, for example, the outline of the filter paper is barely visible	3
Important mark, however the surface of the structure doesn't change	2
Important mark, being altered the structure of the surface or being retired the surface material totally or partially or attached to the surface filter paper	1

Topsealer WT One Coat is especially resistant against chemical agents as shown by the results obtained in testing:

Products that stain	TESTS (Results)		
	MATT	GLOSS	SATIN
Distilled water	5	5	5
Detergent	5	5	5
Acetone (min. purity of 99.5%)	4	5	5
Ethyl alcohol (50%)	5	1(*)	1(*)
Red wine (10-12%)	5	5	5
Red wine vinegar, solution of acetic from 3 to 5% by volume	5	5	5
Olive oil	5	5	5
Hydrochloric acid diluted to 10% with water	5	5	5
Coffee	5	5	5
Bleach	5	5	5
Ammonia diluted 10% with water 20 (8±1) h	5	5	5
Blue/black ink	5	5	5
Water	5	5	5

(*) Immediate cleaning in case of spills on the surface of ethanol is recommended.



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