

ProFast Topcoat 75-AS

Description and application

ProFast Topcoat 75-AS is an autocatalytic solvent free topcoating based on polyurea combinations. ProFast Topcoat 75-AS can be used for in- and outdoor applications.

ProFast Topcoat 75-AS has quick drying properties and is ideal for example for walkways, balconies, terraces and stairwells. It also can be used on floors and walls in warehouses, distribution centres and production facilities.

Article number and packaging

16228-5 in 5 kg set
16228-10 in 10 kg set

Properties

- Quick drying.
- Zero shrinkage and zero solvents.
- Colour-fast and UV proof.
- Excellent preservation of colour and gloss.
- Complete water resistant.
- Very low dirt absorption.
- For in- and outdoor applications.
- Can be applied without a primer most of the time.
- Good chemical resistant.
- Very durable. Up to 3 times more wear and scratch resistant than traditional coatings.
- Resistant against plasticizers.

Colour Available in nearly all Ral colours
Appearance Semi-Gloss

Thermal

Load

Permanent

Brief (a maximum of 7 days)

Brief (a maximum of 12 hours)

Brief wet heat up to a maximum of +80°C and only occasionally, for instance when steam-cleaning. Simultaneous chemical and mechanical loads are not permitted.

Dry heat

+80°C

+100°C

+120°C

Liquid product properties

Density	1,41 kg /l mixed product
Volume solids	93%
VOC content	251 g/l
Shelf life	At least 6 months after the date of production, if stored cool in unopened packaging and protected against frost.

Application information

Method	<ul style="list-style-type: none">• Roller, brush• Low pressure, 5% dilute with ProFast THS, needle 1,8.
Coverage	0,15 – 0,20 kg /m2 /layer, depending of the surface and substrate structure.
Mixing ratio	780 gram A : 220 gram B
Dilution	ProFast THS. Maximum 5% only to added once base and hardener have been mixed. Adding thinner will affect the final physical properties.
Potlife*	15°C approx. 35 minutes 20°C approx. 30 minutes 30°C approx. 25 minutes
Application temp.	Substrate between -10°C and +30°C Product between +10°C and +25°C
Walkable*	-10°C after 2,5 hrs 0°C after 2,0 hrs 10°C after 1,5 hrs 20°C after 1,0 hrs 25°C after 45 min
Recoat time*	-10°C Min. 2,5 hrs Max. 48 hrs 0°C Min. 2,0 hrs Max. 48 hrs 10°C Min. 1,5 hrs Max. 48 hrs 20°C Min. 1,0 hrs Max. 24 hrs 25°C Min. 45 min Max. 24 hrs
Chemical load*	3 x 24 hrs
Water load*	2 – 3 hrs
Mechanical load*	2 – 3 hrs
Cleaning agent	Roca Cleaner R5518 (tools)

*At 65% relative humidity. The times and values given are approximates only and are affected by fluctuating surface and environmental conditions such as temperature, relative humidity ventilation and usage per m2. Values are given at 0,25 kg /m2.



Tel. +1 (407) 567-7860
www.prokolusa.com info@prokolusa.com

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Mixing instructions

Two-component products must always be mechanically mixed, preferably with a continuously adjustable mixing machine/drill. Use a suitable mixer and/or whisk of the correct size. As a guideline, the diameter of the mixer or whisk must be at least 1/3 of the diameter of the container in which the product is mixed.

First, mix the base component and the hardener together. Pour some of the mixed material back into the hardener container and mix it in the container until all the hardener has been used.

Next, pour this mixture back into the base component container and mix it again until a homogenous mixture is obtained.

When combining partial containers, both components must be carefully stirred and weighed.

Comments during application

Avoid wide temperature differences between the product and the surface as this could have an adverse effect on the end-product. Allow the material to acclimatize for at least 24 hrs.

Two-component products may only be applied when the relative humidity is between 35 - 85%. A low relative humidity will slow down the drying of the coating. The minimum application temperature is -10° C and the temperature of the surface to be treated must be 3°C above the dew point. Check the dew point table.

Substrates with a low temperature will affect the application and the usage of the coating per square meter. If necessary the product can dilute with ProFast THS.

Full curing is accelerated in high ambient or substrate temperatures and slowed in lower temperatures. Pot life times depend on product temperature. Care should be taken on both counts.

Mix the components well. Apply an even, thin, closed layer to the sub-floor using a brush or fleece roller. Then roll again with a 50 or 70 cm wide floor roller.

Avoid any uneven thicknesses.

Surface conditions

The surface must be clean and free of diesel, oils and grease. All loose friable materials and foreign bodies must be removed by abrasive blasting, captive blasting, high pressure water blasting. This is to remove all surface laitance.

Mineral surfaces

All concrete surfaces must be at least 28 days of age. Monolithic floors and formed surfaces must be abrasive blasted or other preparation means to clean and profile. Moisture content of surface: < 10% (parts by weight).

The surface must be healthy, with minimum compression strength of 25 N/mm² and minimum bond strength of 1.5 N/mm² for standard floors and 2,0 N/mm² for heavy-duty floors.

Remove any cement-skin and concrete residues by grinding and/or sanding. Smooth and dense sub-floors (e.g. concrete) should be roughened (profiled) by (dust-free) blasting. Unclean surfaces should be treated with a flame-gun and thereafter sanded. Always vacuum the floor to remove dust using an industrial vacuum cleaner.

Use a suitable primer before applying ProFast Topcoat 75-AS. Use for example the following system.

- Floors and walls
 - Surface blasting. Then thoroughly remove all dust.
 - Apply ProFast Primer RW to the surface with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
 - Apply a first layer of ProFast Topcoat 70-C with a usage of 100 - 150 gram/m². Avoid any uneven thicknesses.
 - Apply a second layer of ProFast Topcoat 75-AS with a usage of 100 - 150 gram/m². Avoid any uneven thicknesses.

Hotspray layers

Can be used as a topcoating on top of hotspray membranes with a shore A hardness above 80 ±5.

- Floors and walls
 - 1 layer of ProFast Topcoat 75-AS with a usage of 100 - 150 grams/m². With some colours a second layer is necessary because of the opacity of the coating. Avoid any uneven thicknesses.



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Wooden surface

The surface must be clean, dry and free of grease

- Surface blasting. Then thoroughly remove all dust.
- Apply ProFast Primer RW to the surface with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
- Apply a first layer of ProFast Topcoat 70-C with a usage of 100 - 150 gram/m². Avoid any uneven thicknesses.
- Apply a second layer of ProFast Topcoat 75-AS with a usage of 100 - 150 gram/m². Avoid any uneven thicknesses.

Metal surfaces

The following applies in general. The surface must be free of substances which may have a negative affect on adhesion, such as oils and fats. If these types of substances are present, they must first be removed with the appropriate agents and/or tools.

- Steel, sanded
 - Thoroughly sand mechanically until the surface is matt and remove all dust.
 - Pre-treat surface with TX Adhesion Promotor.
 - Apply ProFast Primer RW to the surface with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
 - 1 layer of ProFast Topcoat 70-C with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
 - Apply a second layer of ProFast Topcoat 75-AS with a usage of 100 - 150 gram/m². Avoid any uneven thicknesses.
- Steel, blasted
 - Surface blasting, Sa 2½, 75 -100 microns, DIN EN ISO 12 944. Then thoroughly remove all dust. Formation of surface rust must be avoided at all times.
 - Pre-treat surface with TX Adhesion Promotor
 - Apply ProFast Primer RW to the surface with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
 - 1 layer of ProFast Topcoat 70-C with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
 - Apply a second layer of ProFast Topcoat 75-AS with a usage of 100 - 150 gram/m². Avoid any uneven thicknesses.
- Aluminium
 - Thoroughly sand mechanically until the surface is matt and remove all dust.

- Pre-treat surface with TX Adhesion Promotor.
- Apply ProFast Primer RW to the surface with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
- 1 layer of ProFast Topcoat 70-C with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
- Apply a second layer of ProFast Topcoat 75-AS with a usage of 100 - 150 gram/m². Avoid any uneven thicknesses.

- Stainless steel

- Surface blasting, Sa 2½, 75 -100 microns, DIN EN ISO 12 944. Then thoroughly remove all dust.
- Pre-treat surface with TX Adhesion Promotor.
- Apply ProFast Primer RW to the surface with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
- 1 layer of ProFast Topcoat 70-C with a usage of 100 - 150 grams/m². Avoid any uneven thicknesses.
- Apply a second layer of ProFast Topcoat 75-AS with a usage of 100 - 150 gram/m². Avoid any uneven thicknesses

- Pools

- For pools use ProFast PoolCoat.

For detailed information regarding the pre-treatment of surfaces, please see the "Surface pre-treatment" product information sheet.

Important

Projects and uses can vary greatly. Always contact your supplier if in doubt about a certain use, choice of material or surface treatment. All the technical information given in this technical information sheet is based on laboratory tests. Information can change, depending on the conditions.

Legal notification

The information and, in particular, the recommendations concerning the application and final use of Prokol products is issued in good faith based on Prokol's current knowledge and experience of products that are correctly stored, handled and applied under normal conditions.

In practice, the differences in materials, substrates and local conditions are such that no guarantee can be given concerning the marketability or suitability for a certain objective, nor can any liability arise from any legal relationship based on this information, nor from any written recommendations or other advice that is given. The property rights of third parties must be respected.

Prokol guarantees that its products are free from manufacturing faults. Multi-component products are a finished product once the



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components have been mixed and processed. When mixed and processed correctly, the product will achieve the specifications given. Prokol can only guarantee the product when surfaces are processed and pre-treated correctly.

All orders are accepted under the current sales and delivery conditions.

Users must always refer to the most recent product safety information sheet and product information sheet for the product concerned. A copy of these sheets will be provided on request and is also available from www.prokolusa.com.

The publication of this product information sheet makes all previous product information sheets for this product invalid.



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