

ACS TOPCOAT ACRYL®

Acrylic Resin Based, One-Component, Shiny
Natural Stone and Concrete Protection Material



■ Description

ACS TOPCOAT ACRYL®, is a one-component acrylic resin based, solvent-containing protector with shiny finish used for protection and polishing of all kinds of natural stone, concrete surfaces and antique tiles.

■ Place of usage

- Indoor and outdoor, on vertical and horizontal surfaces.
- On all types of concrete and exposed concrete.
- At factories on concrete floor with surface hardener.
- On micro-concrete and self-leveling screeds.
- On concrete floors made with the use of helicopter machine.
- May be used on natural stone, artificial stone, travertine, basalt stone, slate stone, press, rustic and clay bricks.

- May be used in outdoor furniture for protection of some absorbent wood surfaces.

■ Advantages

- UV - resistant
- Easy application (by roll or airless spray).
- Shiny finish.
- Has permeability to water vapor. Does not cause moisture buildup under the layer.
- High resistance to oil and fuel residues.
- Resistant to freeze-thaw cycle.
- High adhesion and flexibility.
- Rapid drying between layers and rapid workmanship.
- Sinks into the surfaces, prevents dusting and vivifies the surface.

TECHNICAL CHARACTERISTICS

ACS TOPCOAT ACRYL®	Acrylic Resin
Color	Transparent
Density	0,92 kg/lit (20°C)
Service Temperature	-20°C -+ 80°C
Minimum waiting between layers	2-3 hours -20°C
Ready for light traffic	1/ 2 days / 20°C
Full cure	7 days / 20°C
Ambient temperature	+5°C -+ 35°C
Surface temperature	+5°C -+ 30°C

NOTE: The above values are given at + 23 °C and 50% relative humidity environment. High temperatures shorten the time, low temperatures prolong the time.

APPLICATION PROCEDURE / SURFACE PREPARATION

Concrete should be at least 28 days, concrete surfaces should have a maximum moisture ratio of 4-6%. Remove all loose and friable materials, oil, paint residues, surface must be free from cement slurry. Problematic surfaces must be repaired beforehand. Cement shell and bright screed of concrete surface should be cleaned, roughened and treated by tools such as sanding, notching machine, tumble diamond grinding machines and forced grinding

machines. All surfaces should be cleaned from dust with industrial vacuum cleaner. Do not wash with water.

MIXING

ACS TOPCOAT ACRYL®, is a one-component product. It is ready for use.

APPLICATION METHOD

ACS TOPCOAT ACRYL®, should be applied on a clean surface with a roll or a brush. (May also be applied with airless spray.)

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Do not add water and other substances to ACS TOPCOAT ACRYL®.

CONSUMPTION

ACS TOPCOAT ACRYL®, is applied in two or three layers approximately with 0,300 – 0,400 Lt/m² consumption.

TIPS TO NOTICE

- The highest relative humidity of air during application must be % 80, the ambient and/or substrate temperature should be between +10°C and +35°C. Avoid application under excessive heat, in windy or rainy weather.
- Surface temperature should be 3°C above the dew point. (Please call our firm for the Ambient temperature-Ambient Moisture-Dew Point table.)
- The materials to be used at the appropriate temperatures should be brought and stored in the application area 1-2 days prior to the application and adjust the ambient conditions.
- In extremely cold conditions, heaters should be used to increase the ambient and the workability of the product, the packages should be preconditioned in +20°C - +25°C to become ready to use.
- The reaction and workability times of resin based systems depend on the ambient and substrate temperatures as well as the relative humidity under lower temperatures, the chemical reaction times are prolonged and this increases the pot life, coating interval and the working time. Moreover consumption is increased as the viscosity increases. High temperatures ignite stronger chemical reactions and the above mentioned times decrease accordingly.

CLEANING OF TOOLS

Tools and equipment can be cleaned with cellulosic or polyurethane thinner after application.

PACKAGE

ACS TOPCOAT ACRYL® 5 lt - 25 lt tinware.

STORAGE

In unopened original package, it should be stored in a cool and dry environment at + 10 °C + 25 °C temperature protected from the freezing. In short-term storing, maximum 3 palletes can be stowed on top of each other and delivery has to be according to first in first out system. In long-term storing, the palletes must not be stowed on top of each other.

SHELF LIFE

The shelf life is 12 months from the date of production under suitable storage conditions.

IMPORTANT NOTE:

Make sure that the ventilation works while applying ACS TOPCOAT ACRYL® inside; gloves, goggles and masks should be used. The product is flammable as it contains solvent. Take necessary precautions during storage and application. Ventilate the application areas, do not smoke and make sure that electrical short circuit is not used in the application area.

SAFETY

During the application, work clothes, protective gloves, goggles and masks should be used in accordance with the Occupational Health and Safety Rules. Due to the irritating effects of uncured materials, the components should not be allowed to come into contact with the skin and the eye. In case of contact, immediately wash with plenty of water and soap. If swallowed, seek medical advice immediately. Food and beverages should not be left at the application areas. Keep out of reach of children.



□ Responsibility

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ is only responsible for the quality of the product. ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones (06/2019)