

ACS CONCRETE PAINT®

Acrylic Based One-Component
Concrete And Precast Concrete Paint



■ Description

ACS CONCRETE PAINT®, is a one-component acrylic based solvent-containing, UV-resistant special high protective paint used for protection of all kinds of concrete and asphalt surfaces.

■ Place of usage

- Indoor and outdoor on vertical and horizontal surfaces and on ceilings.
- On all types of concrete, exposed concrete and precast concrete.
- At factories on concrete surface with applied hardener.
- On micro concrete and self-leveling screeds
- For protection of metal surfaces.
- On concrete surfaces made with concrete power trowel
- On surfaces covered with flakeboard pannels.

- To protect and paint asphalt surfaces.

• Advantages

- UV - resistant
- Easy to apply (with roll or airless spray).
- Forms semi-matt surface and does not require priming.
- When applied forms a one-piece seamless surface with no joints or leaks.
- Has permeability to water vapor. It does not cause moisture buildup under the layer and has a breathing structure.
- High resistance to oil and fuel residues.
- Resistant to freeze-thaw cycle.
- High adhesion strength and flexibility.
- Fast drying and fast workmanship between layers.
- Sinks into the surfaces, prevents dusting and vivifies the surface.

TECHNICAL CHARACTERISTICS

ACS CONCRETE PAINT®	Acrylic Resin
Color	White, Gray, Beige, Anthracite Gray
Density	1,00 kg/ltr (at 20°C)
Service Temperature	-20°C -+ 80°C
Heat resistance	80°C 100 days & 200°C Dry instant heat
Operating time of the mix (+30°C)	50 minutes
Minimum waiting between layers	2-3 hours at -20°C
Opening to light traffic	1/ 2 days /at 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

The concrete must be at least 28 days, the moisture percentage of the concrete surface onto which substance will be applied should be 4-6%. All loose particles should be cleaned from cement grout

and surface should be defatted. Damaged surfaces should be repaired beforehand. Residues, rough and shiny screed should be cleaned with tools such as sand blaster, surfacer and the surface should be roughened and wiped. The entire surface must be cleaned from dust with an industrial vacuum cleaner. Do not wash the surface with water.

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MIXING

ACS CONCRETE PAINT® is a one-component product. Before mixing make sure the temperature of the product is between +15 - +25°C. Mix **ACS CONCRETE PAINT®** with epoxy /polyurethane resin mixer with mechanical stirrer on 300 - 400 rpm without air-entrainment for 3 - 4 minutes until it is homogenous. The product is ready for use.

APPLICATION METHOD

After mixing **ACS CONCRETE PAINT®** as stated above apply on the surface with a roll or a brush. (May also be applied with airless spray.) While applying **ACS CONCRETE PAINT®** with airless spray add some cellulosic thinner.

CONSUMPTION

ACS CONCRETE PAINT® is applied in two or three layers including primer with 0,400 – 0500 kg/m² consumption.

TIPS TO NOTICE

- The relative humidity of air should be highest % 80, ambient and/or substrate temperature during application should be between +10°C+35°C. Avoid application under excessive heat or wind and in rainy weather.
- Surface temperature should be 3°C above the then dew point. (Please call our company 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 to +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. In addition to this, the consumption is increased as the viscosity increases. High temperatures ignite stronger chemical reactions and

the above mentioned times decrease accordingly. After completion of the coating, the temperature should not fall below + 8 °C for at least 36-48 hours, and no direct water contact and snow is allowed on the newly applied product..

CLEANING OF TOOLS

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

PACKAGE

ACS CONCRETE PAINT® 10 kg, 20 kg buckets.

STORAGE

In unopened original package, it should be stored in a cool and dry environment at + 10 ° + 25 ° C temperature protected from the freezing. In short-term storing, maximum 3 palettes 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 palettes 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:

ACS CONCRETE PAINT® Make sure that the ventilation works while applying 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 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)