

ACS FLOOR SPORT 140[®]

Polyurethane Resin Based,
Aliphatic Topcoat Matte Paint



■ Description

ACS FLOOR SPORT 140[®] is a polyurethane resin based, two component, floor paint with flexible structure. It is UV resistant as it is designed for outdoor application, it has high abrasion and chemical resistance. It is used as a flat matte finish top coat of paint systems designed as multi-layer or thin coating.

■ Places of use

- As topcoat paint on indoor and outdoor sports grounds.
- As topcoat for outdoor flooring systems.
- As the topcoat of all interior and exterior floor coating systems where matt and non-slip surface is desired.
- Topcoat on outdoor children's playgrounds

■ Advantages

- High UV resistance due to its aliphatic structure.
- Extremely easy to apply with airless spraying machines.
- Flexible.
- Resistant to diesel, gasoline, diesel and many chemicals.
- Topcoat paint with matt and non-slip surface structure is relevant to sports floor systems standards.
- High abrasion and chemical resistance.
- Easy to apply.
- Mechanically resistant to medium to high mechanical impact.
- Resistant to up to +80°C at humid temperature (without chemical and mechanical effect simultaneously) and up to +120°C dry heat.

TECHNICAL CHARACTERISTICS

ACS FLOOR SPORT 140[®] Component A ACS FLOOR SPORT 140[®] Component B	Polyurethane Resin Polyurethane Hardener
Color	All RAL colors
Consistency	Matt
Density	1,20 ± 0,05 kg/liter (A+B / 20 °C)
Volume solid	% 60 (A+B)
Mixing ratio	4:1 (A:B)
Usage time of mixture (+30°C) (+10°C)	50 minutes 90 minutes
Waiting between layers	24 hours / 20°C
Ready for light traffic	1 day / 20°C
Fully cured	7days / 20°C
Taber Abrasion Resistance	26 mg (full cure)

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

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APPLICATION PROCEDURE / SURFACE

ACS FLOOR SPORT 110® is a part of ACS FLOOR SPORT® polyurethane coating system.

INFORMATION ABOUT SURFACE

Application substrate must be clean, dry, sound and have load-bearing structure. Pay attention to time of application of a new layer.

MIXING

ACS FLOOR SPORT 110® is supplied as ready to use kits in the exact ratio. Before mixing precondition both A and B components to the temperature of +15 - +25°C. A Component of ACS FLOOR SPORT 140® contains pigment. Component A should be mixed for 3-4 minutes with epoxy / polyurethane resin mixer with 300 - 400 rpm until homogenous without letting air in. Then add all of Component B into Component A and make sure that all of Component B is used. Mix Component A and Component B until homogenous (at least 3 minutes) and start using directly.

MIXING RATIOS

ACS FLOOR SPORT 140®	Component A	Component B
Mixture Water Amount	12 kg	3 kg
Mixture Density	1,20 kg/liter	

APPLICATION METHOD

Once ready for application ACS FLOOR SPORT 140® is applied by airless spraying or by roller at the consumption stated in the system or desired thickness is controlled with wet film comb. New layer application time is minimum 24 hours (20°C), maximum 4-5 days. Conform with the second coat application time mentioned above. Material achieves full mechanical and chemical resistance in about 7 days.

MATERIAL CONSUMPTION:

The consumption of ACS FLOOR SPORT 140® is between 200 - 300 gr / m² per m².

TIPS TO NOTICE

- Surface temperature should be 3°C above the then dew point. (Please call our company for the Ambient temperature-Ambient Moisture-Dew Point table.)
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- 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 enabled to 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. Epoxy and polyurethane based floor coatings should be applied by specialists.
- 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 Within 24 hours after completion of the coating contact with water should be avoided as it may cause surface carbonation and/or softening, both of which may make the coating lose its characteristics.

CLEANING OF TOOLS

Used tools and equipment can be cleaned with cellulosic and epoxy thinner after the application. Once cured ACS FLOOR SPORT 140® can only be removed by mechanical means.

PACKAGING

Component A: 12 kg pail Component B: 3 kg gallon

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 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

In unopened original package and when stored properly shelf life of Component A is 1 year, shelf life of Component B is 6 months.

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)