

ACS POLYURETHANE SELF SYSTEM[®]

Polyurethane Based, Self Levelling,
Industrial Floor Coating System



■ Description

ACS POLYURETHANE SELF SYSTEM[®] polyurethane based, which is used for, surfaces that are exposed to medium-heavy mechanical and chemical effects, solvent free, colored, capacity to cover up cracks, semi-flexible, easily cleaning, hygienic and antibacterial self leveling floor coating.

■ Place of usage

- Warehouses.
- Aircraft hangars.
- Production areas.
- Laboratories.
- Food processing areas and warehouses.
- Hygienic conditions are important in industrial kitchens in meat production farms and cutting rooms.

- Light industry production areas.
- Chemical and pharmaceutical industry.
- Shopping malls.
- Garages.
- Exhibition areas.

■ Advantages

- Easy to apply.
- High mechanical resistance.
- It does not allow the growth of microbe on the surface.
- High pressure and abrasion resistance is high.
- The capacity to cover up cracks.
- Flexible.
- Covering a hygienic floor.
- Cleaning is easy.

APPLICATION PROCEDURE / SURFACE PREPARATION

ACS POLYURETHANE SELF SYSTEM[®] Surface must have at least 25 N / mm² compressive strength and at least 1.5 N / mm² pull-off test results. Concrete's age must be at least 28 days, concrete surfaces should have a maximum moisture content of 4-6%. Remove all loose and friable material, oil, paint residues,

must be free from cement slurry. Problematic surfaces must be repaired beforehand. Cement shell and bright screed on concrete surface should be cleaned, roughened and wiped by tools such as sanding, notching machine, tumble diamond grinding machines and forced grinding machines. All surfaces should be cleaned with industrial vacuum cleaner from dust. Concrete surfaces in contact with the soil to be coated should be previously treated with water and water vapor sealants.

SELF LEVELING COATING SYSTEM DETAILS 2-3 mm

Intended Purpose	Used Materials	Consumption (kg/m ²)
Primer	ACS EPOKSI PRIMER MAX[®] or ACS EPOXY PRIMER-N[®]	0,40 - 0,60
Scatter Sand	Silica Sand 0,1-0,3 mm/0,3-0,8 mm	1,00 - 2,00
Alternative Primer (for surface disorders up to 1-2 mm)	ACS EPOKSI PRIMER MAX[®] or ACS EPOXY PRIMER-N[®]	0,40 - 0,60
Filler Sand	Silica Sand 0,1-0,3 mm	0,20 - 1,80
Scatter Sand	Silica Sand 0,1-0,3 mm/0,3-0,8 mm	1,00 - 3,00
Pore Sealer	ACS FLOOR PU 600[®]	0,60 - 0,80
Filler Sand	Silica Sand 0,1-0,3 mm	0,20 - 0,30
Coating	ACS FLOOR PU 600[®]	1,80 - 2,00
Filler Sand	Silica Sand 0,1-0,3 mm	0,40 - 0,60
Alternative Top Coating	ACS SPORT FLOOR 140[®]	0,20 - 0,25

Consumption is theoretical and may vary depending on the quality of the concrete floor to be applied.

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APPLICATION METHOD

ACS POLYURETHANE SELF SYSTEM® depending on the consumption figure of the products in the system details, application trowel should be done. When the coating is of desired consistency aerate the surface with the help of a spiked roller.

TIPS TO NOTICE

- The relative humidity of air is highest % 80, Avoid application under excessive heat or wind and/or when the ambient and/or substrate temperature is below +8°C or above +35°C.
- 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 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. After completion of the coating, the coating should be protected from direct contact with water for at least 24 hours. If a water contact, this coating will create on carbonation and softening, which will cause it to lose the properties of the coating.

IMPORTANT NOTES

The above system solutions, if the price and products, ideal weather, ground conditions and the environment, taking into account the average employer's needs, has been formed with the purpose to some of the calculations. Changes in the environment and floor conditions can lead to changes in employer's needs, consumption and system solutions. Therefore, before the system solution, **ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ** specialized team and /or expert practitioners should be seen, employer needs should be identified and then the system solution should be done.

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)