

ACS EPOXY TEXTURED SYSTEM[®]

Epoxy Based, Solvent Free, Thixotropic Coating System With 'Orange Peel' Finish



■ Description

ACS EPOXY TEXTURED SYSTEM[®] is an epoxy based solvent-free colored flooring system for industrial floors with 'orange peel' textured structure.

■ Place of usage

- Park areas and garages.
- Control rooms.
- Chemical and pharmaceutical industry.
- Food and beverage industry.
- Automotive industry and aircraft maintenance hangars.

- Production, packaging and storage areas.
- Used as floor covering in ramps.
- Aircraft hangars.

■ Advantages

- High mechanical and chemical resistance.
- High abrasion resistance.
- Easy maintenance and cleaning.
- High adhesion strength.
- Textured (orange peel) and a non-slip surface.
- Easy to apply.
- It does not allow the growth of bacteria on the surface.

APPLICATION PROCEDURE / SURFACE PREPARATION

ACS EPOXY TEXTURED SYSTEM[®] surface must have at least 25 N / mm² compressive strength and at least 1.5 N / mm² pull-off test results. New 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.

APPLICATION METHOD

ACS EPOXY TEXTURED SYSTEM[®] depending on the consumption figure of the products in the system details, application should be done.

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	Sand No:2	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	Sand No:3	0,20 - 1,80
Scatter Sand	Sand No:2	1,00 - 3,00
Pore Sealer	ACS FLOOR ETX 300[®]	0,70 - 0,80
Coating	ACS FLOOR ETX 300[®]	1,50 - 1,70

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

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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 +5°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 not fall below + 8 °C at an air temperature of at least 36-48 hours, and no direct water contact, snow on the newly applied product. Within

this period, a contact with water may cause a surface carbonation and/or tackiness both of which will make the coating lose its characteristics.

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

It is dangerous to approach the application sites with fire. Fresh air should be circulated in the storage and the application sites. During the application, a protective apparel, protective gloves, goggles and masks which comply with the Occupational Health and Safety Precautions Rules should be used. Due to the irritation effect of the uncured materials, the mixture should not come into contact with skin and eyes; in case of a contact, the affected area should be washed with plenty of water and soap; in case of swallowing, a physician should be consulted immediately. No food or beverages should be brought to the application area. The product should be stored and kept 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)