

ACS FLOOR ETX 300[®]

Epoxy Based, Two Component, Solvent Free,
Thixotropic Coating Material with 'Orange Peel' Finish



■ Description

ACS FLOOR ETX 300[®] is an epoxy based, two component, solvent free, coloured textured floor covering material.

■ 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.
- Maintenance and cleaning is easy.
- High adhesion strength.
- Textured (orange peel) and a non-slip surface.
- Easy to apply.

TECHNICAL CHARACTERISTICS

ACS FLOOR ETX 300 [®] Component A	Epoxy resin
ACS FLOOR ETX 300 [®] Component B	Epoxy hardener
Color	Various colors of RAL
Density	1,60 ± 0,05 kg/ltr (A+B / 20 °C)
Solid Volume	%85 (A+B)
Mixing Ratio	10:1 (A:B - by volume)
Applying Time (+30°C)	50 Minutes
(+10°C)	120 Minutes
Waiting Between Coats	22 Hour / 20 °C
Drying Time	3 Days / 20 °C
Fully Cured Time	5-7 Days / 20 °C
Ambient Temperature	+8 °C -+ 35 °C
Surface Temperature	+8 °C -+ 35 °C
Taber Wear Resistance	30 mg (Fully Cured)

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

ACS FLOOR ETX 300[®], ACS EPOXY TEXTURED SYSTEM[®] is a part of epoxy coating 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 resi-

dues, 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 must be treated with water vapor sealants.

ACS FLOOR ETX 300®

Epoxy Based, Two Component, Solvent Free,
Thixotropic Coating Material with 'orange peel' Finish

MIXING

ACS FLOOR ETX 300® is supplied as ready to use kits in the exact ratio. Before mixing, precondition both A and B parts to the temperature of +15 - +25°C. **ACS FLOOR ETX 300®** A Componenti contains pigment. Mix with epoxy / polyurethane resin mixer with 300 - 400 rpm mechanical stirrer for 3 - 4 minutes until it is homogeneous. After pour the entire contents of B ingredient into the container of A ingredient; make sure that there is no product left in the ingredient B package. Components A and B must be used after homogenous mixing (at least 3 minutes).

MIXING RATIOS

ACS FLOOR ETX 300®	Component A	Component B
Mixture Amount	20 kg	2 kg
Mixture Density	1,60 kg/liter	

APPLICATION METHOD

ACS FLOOR ETX 300® solutions should be applied using a toothed trowel to achieve the specified thickness with **ACS EPOXY PRIMER-N®** or **ACS EPOXY PRIMER MAX®**. After the application, the coating should be evenly textured by using a coral roller.

1-1,5 mm TEXTURED COATING DETAILS

Intended Purpose	Used Materials	Consumption (kg/m²)
Primer	ACS EPOKSI PRIMER MAX® or ACS EPOXY PRIMER-N®	0,40-0,60
Scatter Sand	Sand No:3	0,40-0,60
Filler Sand	Sand No:2	1,00-2,00
Pore Sealer	ACS FLOOR ETX 300®	0,40-0,60
Coating	ACS FLOOR ETX 300®	0,50-0,70

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

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 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 may make the coating lose its characteristics.

CLEANING OF TOOLS

Tools and equipment used after application can be cleaned with cellulosic or epoxy thinner. Once cured **ACS FLOOR ESL 300®** can only be removed by mechanical means.

PACKAGING

Component A: 20 kg pails Component B: 2 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

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

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)