

FOX DECODECK SYSTEM

FOX ZEUGMA EPOXY TERRAZZO Heavy Traffic / High Mechanical Strength 9,0-11,0 mm

Epoxy Based, Multilayer, Self Levelling, Colored Decorative Floor Coating System

Description

FOX EPOXY TERRAZZO is an epoxy based, smooth surface, easy to clean, hygienic, self-leveling decorative floor coating system used for floors exposed to very heavy mechanical and chemical effects.

Fields of Application

- Hospitals,
- Hotels,
- Offices,
- Restaurants,
- Showrooms,
- Schools,
- Banks,
- Shopping Malls,
- Airport Terminals,
- Train Stations,
- Public Buildings,
- Huge Storage Areas,
- Chemical and Pharmaceutical Industry,
- Hangars,
- Places where hygiene is soke after.

Advantages

- Provides perfect finish.
- Decorative and aesthetic floors are obtained.
- Non-Slip finish can be obtained, if desired.
- Has chemical resistance.
- Creates hygienic environments thanks to easy clean feature.
- High abrasion resistance.
- High compressive strength.
- Easy to maintain.
- Solvent free.
- Can be finished with gloss or matte appeal.

System Technical Features

Color		Ral Colors
Appeal		Matte/Gloss
Application Surface Temperature		+10°C / +30°C
Splice Strength	Concrete	>2 N/mm ²
Compressive Strength	7 days	65 N/mm ²
Flexural Tensile Strength	7 days	30 N/mm ²
Shore D Hardness	7 days	85
Pendulum Hardness	König ISO 1522	86s
Taber Abrasion Test	1 kg.CS 10,1000 d.	~40 mg
Pot Life		50 minutes

The above values are given for + 23°C and 50% relative humidity. High temperatures shorten the time, low temperatures extend it.



Watch Points

- Concrete surfaces on which floor coating will be made must be at least 28 days old. The concrete class must be at least C20 and its tensile strength must be at least 1.5 N/mm².
- Water and moisture content at 2 cm concrete depth should be below 4%. Test method: C - Aquameter, CM-Device, Darr Methot
- In application, the ambient and surface temperature must be around +10°C minimum and +30°C maximum. Application should not be made in extremely hot, rainy or windy weathers.
- In applications to be carried out in extreme cold weather, it should be ensured that the ambient and ground temperature are increased with the help of heaters, and the packages should be conditioned at approximately 25°C and made ready for use in order to increase the workability of the material.
- The materials to be used are brought to about 20-25°C in case the ambient temperature is too high and low, and applied in the field in that way.
- While the coating is fresh, it should be protected from water, rain, dust, wind and foreign objects.
- Pot life and curing times in resin-based systems are affected by ambient temperature, floor temperature and humidity in the air. At low temperatures, curing slows down, which increases pot life, overcoating and working time. Curing is accelerated at high temperatures, which shortens pot life, overcoating time and working time. During the curing of the product, care should be taken to keep the ambient and ground temperatures within the given minimum and maximum temperature levels. After the application is completed, the coating should be protected from direct water contact for at least 24 hours. If water contact occurs, there will be softening, blistering, fogging and discoloration on the coating. This causes the coating to lose its properties. In this case, the coating on the damaged part should be completely removed and rebuilt.
- Coverages are given for conditions where the ambient and surface temperature is +20°C. Actual coverage may vary depending on the surface structure and ambient temperature. It should not be forgotten that the coverage will increase in damaged surfaces and cold weather conditions.

Chemical Resistance Table

Sugar Water	+	Xylene	+	Leaded Gasoline	+	Styrene	+ -
30% Saline Water	+	Butyl Glycol	-	Sulfuric Acid (%30)	-	Glycerin	+
Tea	+	Propylene Glycol	+ -	Toluene	+	Olive Oil	+ -
Coffee	+	%10 KOH	-	Petrol	+ -	Silicone Oil	+ -
Ketchup	+ -	Ethanol	+ -	Deionized Water	+ -	Wine	+ -
Mayonnaise	+ -	Butanol	-	Beer	+ -	Javelle Water	+ -
Vinegar	+ -	Benzyl Alcohol	+ -	Nitric Acid	-	Methyl Iso Butyl Ketone	-
Lemon Juice	+ -	Ethyl Acetate	+ -	Gasoline	+ -	Diesel Oil	+ -
Mineral Water	+ -	Suma	+ -	10% NaOH	-	Caustic Soda	+
Fruit Juice	+	Amil Alcohols	+ -	Castor Oil	+ -	Terebinthinate	+ -
Soda	+	Methanol	+ -	Soap	+	Paraffin	+ -
HCL (%30)	-	Propanol	+ -	Cyclohexane	+ -	Perchloroethylene	-

This research was conducted at room temperature. High temperature values and / or mixtures of chemicals can affect chemical resistance. Color change may occur due to the effect of chemicals. If the surface is exposed to chemicals, it should be cleaned within a maximum of 1 hour. (+) It is recommended to use. Conditional use of (+ -) is recommended. (-) Should not be used.



Epoxy Based 9,0-11 mm Multi Layer Self Levelling Floor Coating System / Very Heavy Traffic / H. Mechanical Strength

Layer	Product Name	Description	Coverage kg/m ²	
1	Primer	FOX EPOTHANE PRIMER	Epoxy based, two component, low viscosity, solvent free primer set	0,30 – 0,50
		0,1 – 0,3 Quartz Sand	60-70 Afs Quartz Sand	0,30 – 0,50
2	Spread	0,2 – 0,5 Quartz Sand	40-45 Afs Quartz Sand	1,00 – 2,00
3	Coating	FOX EPOTHANE BASECOAT TERRAZZO	Epoxy resin-based, two-component, high chemical resistance, solvent-free, self-leveling decorative coating material developed for terrazzo system	5,00 – 5,50
		TERRAZZO Aggregate	3-6 mm/6-9 mm Aggregate	15,00 -16,50
		FOX EPOTHANE FILLER TF	Epoxy Terrazzo Filler	5,35 – 5,87
4	Topcoat Primer	FOX DOMINO PU SEALER FD793	Polyurethane based, one component, aliphatic, solvent, water repellent, top coat protection material	0,10 - 0,15
5	Topcoat	FOX PURATHANE TOPCOAT WB	Polyurethane-based, two-component, high abrasion and scratch resistance, water-based, TRANSPARENT GLOSS / MATT top coat floor coating	0,15 – 0,20

Primer and coverage in the systems are given as estimates. According to the ground condition and environmental conditions; primer and coverage may vary.

Application Procedure

Substrate Preparation

The cement grout on the concrete surfaces to be covered is cleaned from the surface by using abrasive equipment (Shot blasting, milling machine, diamond wipe, etc.). Weak concrete pieces should be removed from the surface, small gaps and holes should be fully exposed. The dust that occurs should be cleaned with the help of an industrial vacuum cleaner. The gaps, cracks and broken concretes that appear on the lower surface should be filled and the surface smoothness should be provided. 60-70 AFS (0.1-0.3mm) quartz sand for surface repairs, filling gaps and smoothing the surface with **FOX EPOTHANE® PRIMER** in the desired ratio (from 1/1 to 1/10) according to the condition of the area to be repaired. Used by mixing.

Epoxy Primer Application

FOX EPOTHANE® PRIMER is an epoxy-based, two-component, low-viscosity, solvent-free, transparent primer set.

Mix A component **FOX EPOTHANE® PRIMER** with a suitable mixer for 1 minute without dragging air. Then pour the B component on the A component. Mix continuously for 2 minutes until a homogeneous mixture is obtained. After mixing A and B components, add 60-70 AFS (0.1-0.3 mm) silica sand in 1/1 ratio according to the surface condition. Mix for 2 more minutes until a homogeneous mixture is obtained. Avoid over mixing to minimize air entrainment. (Mixing tools: 300-400 rpm electric mixer and epoxy / polyurethane resin mixing tip.)

The prepared **FOX EPOTHANE® PRIMER** quartz sand mixture is applied to the surface by scraping method with a steel trowel with a consumption of approximately **0.60-1.00 kg/m²**. **1.00-2.00 kg/m²** 40-45 AFS (0.2-0.5 mm) silica sand is sprinkled on the primed surface. Before starting **FOX EPOTHANE® BASECOAT TERRAZZO** floor coating application, the primer should dry for a minimum of **12 hours** (24 hours depending on weather conditions).



Epoxy Terrazzo Application

FOX EPOTHANE® BASECOAT TERRAZZO is an epoxy resin-based, two-component, high chemical resistance, solvent-free, self-leveling decorative coating material developed for terrazzo system.

Component A contains **FOX EPOTHANE® BASECOAT TERRAZZO** filler. Mix component A together until it becomes homogeneous. After adding the B component into the A component, mix it for at least 3 minutes until a homogeneous mixture is obtained. After mixing A and B components, add 1,066, specially produced **FOX EPOTHANE® FILLER TF** filling material for epoxy terrazzo, and aggregates of the desired size at the rate of **3 units to 1 unit of FOX EPOTHANE® BASECOAT TERRAZZO** by weight. (Rates vary according to weather conditions.) Mix for 2 more minutes until you get a homogeneous mixture. Avoid over mixing to minimize air entrainment. (Mixing tools: 300-400 rpm electric mixer and epoxy / polyurethane resin mixing tip.)

The prepared **FOX EPOTHANE® BASECOAT TERRAZZO** aggregate mixture is poured on the surface with a consumption of approximately **25.00-28.00 kg/m²** and applied smoothly with a notched trowel.

Topcoat Primer Application

FOX DOMINO PU SEALER FD793 is a polyurethane based, one component, aliphatic, solvent, water repellent, top coat protection material.

Ready to use, one component material.

FOX DOMINO PU SEALER FD793 should be applied to the surface with a roller in two layers with a consumption of approximately **100-150 gr/m²**. In order to minimize the roll marks, care must be taken to ensure that successive layers are wet. The application should be done along the short edge and each new application should be made right next to the previous one. It should be ensured that the material is homogeneously distributed and that there are no roller traces by passing over the material with a second roller.

Topcoat Application

FOX PURATHANE® TOPCOAT WB is a modified polyurethane-based, two-component, water-based, high abrasion resistant, aliphatic isocyanate, non-yellowing, UV-resistant, antibacterial, top coat coating material.

Mix the component A product with its own electric mixer and a suitable mixing tip. Component B product After completely adding component A into the product, mix it for at least 3 minutes until a homogeneous mixture is obtained. Avoid over mixing to minimize air entrainment. (Mixing tools: 300-400 rpm electric mixer and epoxy / polyurethane resin mixing tip.)

FOX PURATHANE® TOPCOAT WB should be applied to the surface with a roller in two layers with a consumption of approximately **150-200 gr/m²**. In order to minimize the roll marks, care must be taken to ensure that successive layers are wet. The application should be made along the short edge and each new application should be made right next to the previous one. It should be ensured that the material is homogeneously distributed and that there are no roller traces by passing over the material with a second roller.

Important Note

The system solutions, consumption and products given above are given as a basis for calculations, taking into account the average employer's needs according to ideal weather, environment and ground conditions. Changes in ambient and ground conditions and employer needs can lead to changes in consumption and system solution.

Coating Opening Time for Use

FOX EPOXY TERRAZZO system becomes walkable 24 hours after the application is completed (at a temperature of 25°C). However, it reaches its final mechanical and chemical strength after 7 days. Lower temperatures increase these times.

Cleaning and Maintenance of the Coating

Regular cleaning and maintenance prolong the life of the floor and reduces the tendency to soiling. Epoxy floor coatings; It is recommended to clean with neutral detergents or alkalis diluted at a concentration of 5% to 10% in water. For cleaning, care products and maintenance, contact our technical sales representatives.



Safety Precautions

During the application, work clothes, protective gloves, goggles and masks in accordance with work and worker health rules should be used. Avoid contact with skin and eyes during storage and application. In case of contact, it should be washed immediately with plenty of water and soap, if swallowed, consult a doctor immediately. Food and beverage materials should not be allowed in the application areas. It should be stored in places out of the reach of children. For detailed information, see the Material Safety Data Sheet.

Note

Coverages for the system given above have been created by considering the ideal weather, environment and ground conditions. Changes in ambient and ground conditions can cause changes in coverage and system solution. For this reason, before system solution, the place should be seen by the expert staff and / or Expert Implementing Dealers of SARTECH Yapı Malzemeleri San. & Tic. Ltd. Şti., then the system solution should be taken.

