ENGLISH

ALKEBA®

PAINT & COATING

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ALKEBA® PAINT & COATING

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ALKEBA PAINT & COATING

SELFLEVELLING EPOXY COATING

01- SELFLEVELLING EPOXY COATING

PRODUCT SPECIFICATIONS	Does not contain solvents. Creates hygienic areas with its antibacterial properties. Easy to clean. High physical and chemical resistance. Semi-slip and impermeable, Monolithic (continuous, single piece) structure that protects occupational and worker health. Aesthetic looking-industrial coating.
USAGE AREAS	All floors where antibacterial floors are needed for hygiene areas such as pharmaceutical and food production facilities. Factories, production facilities, warehouses, multi-storey parking lots, exhibition halls and foyers where aesthetic appearance is needed and similar areas.

Physical Strenght

Rigidity	~78 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~52 N/mm²	- EN. 196-1
Abrasion Resistance	~30 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~20 N/mm²	- EN 196-1

02- SELFSMOOTHING EPOXY COATING

PRODUCT SPECIFICATIONS	Does not contain solvents. Creates hygienic areas with its antibacterial properties. Easy to clean. High physical and chemical resistance. Semi-slip and impermeable, Monolithic (continuous, single piece) structure that protects occupational and worker health. Aesthetic looking-industrial coating.
USAGE AREAS	All floors where antibacterial floors are needed for hygiene areas such as food and pharmaceutical production facilities. Factories, production facilities, warehouses, multi-storey parking lots, exhibition halls and foyers where aesthetic appearance is needed and similar areas.

Physical Strenght

Rigidity	~76 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~50 N/mm²	- EN. 196-1
Abrasion Resistance	~32 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~22 N/mm²	- EN 196-1

SELFSMOOTHING EPOXY COATING

ALKEBA PAINT & COATING

ORANGE PEEL EPOXY COATING

03- ORANGE PEEL EPOXY COATING

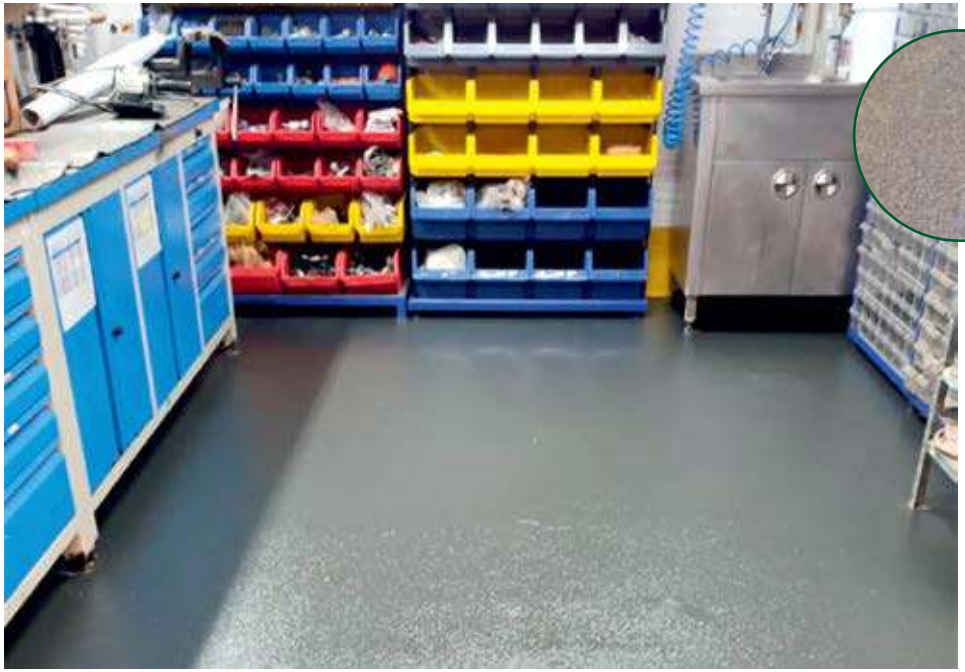
PRODUCT SPECIFICATIONS	Does not contain solvents. Creates hygienic areas with its antibacterial properties. Easy to clean. High physical and chemical resistance. Semi-slip and impermeable, Monolithic (continuous, single piece) structure that protects occupational and worker health.
USAGE AREAS	Used in warehouses, workshops, multi-storey underground parking lots, garages and similar places where easy-to-clean antibacterial, non-slip floors are needed.

Physical Strenght

Rigidity	~76 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~55 N/mm² /	- EN. 196-1
Abrasion Resistance	~32 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~20 N/mm²	- EN 196-1

04- MULTILAYER EPOXY COATING

PRODUCT SPECIFICATIONS	High physical and chemical resistance, non-slip. Impermeable Long lasting and economical.
USAGE AREAS	Parking lots. Ramps. Areas subject to intensive and heavy traffic.



Physical Strenght

Rigidity	~78 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~60 N/mm² /	- EN. 196-1
Abrasion Resistance	~25 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~20 N/mm²	- EN 196-1

MULTILAYER EPOXY COATING

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PHARMA TERRAZZO EPOXY COATING

05- PHARMA TERRAZZO EPOXY COATING

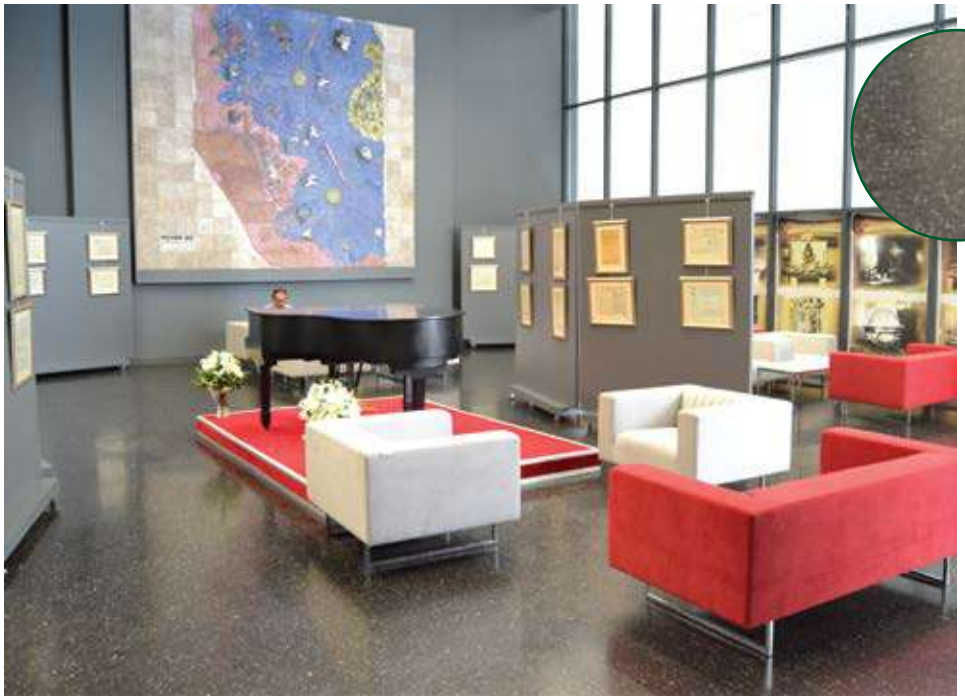
PRODUCT SPECIFICATIONS	Does not contain solvents. Creates hygienic areas with its antibacterial properties. Easy to clean. High physical and chemical resistance. Semi-slip and impermeable, Monolithic (continuous, single piece) structure that protects occupational and worker health. Aesthetic looking-industrial coating.
USAGE AREAS	All floors where antibacterial floors are needed for hygiene areas such as pharmaceutical and food production facilities. Factories, production facilities, warehouses, multi-storey parking lots, exhibition halls and foyers where aesthetic appearance is needed and similar areas.

Physical Strenght

Rigidity	~77 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~85 N/mm² /	- EN. 196-1
Abrasion Resistance	~22 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~25 N/mm²	- EN 196-1

06- TERRAZZO EPOXY COATING

PRODUCT SPECIFICATIONS	Decorative, able to offer aesthetic solutions to spaces Easy to clean, High physical and chemical resistance, Semi-slip resistant and impermeable coating.
USAGE AREAS	Museums, Exhibition halls and foyers, Airports, areas with very heavy traffic. Used safely in areas where durability and aesthetics are required.



Physical Strenght

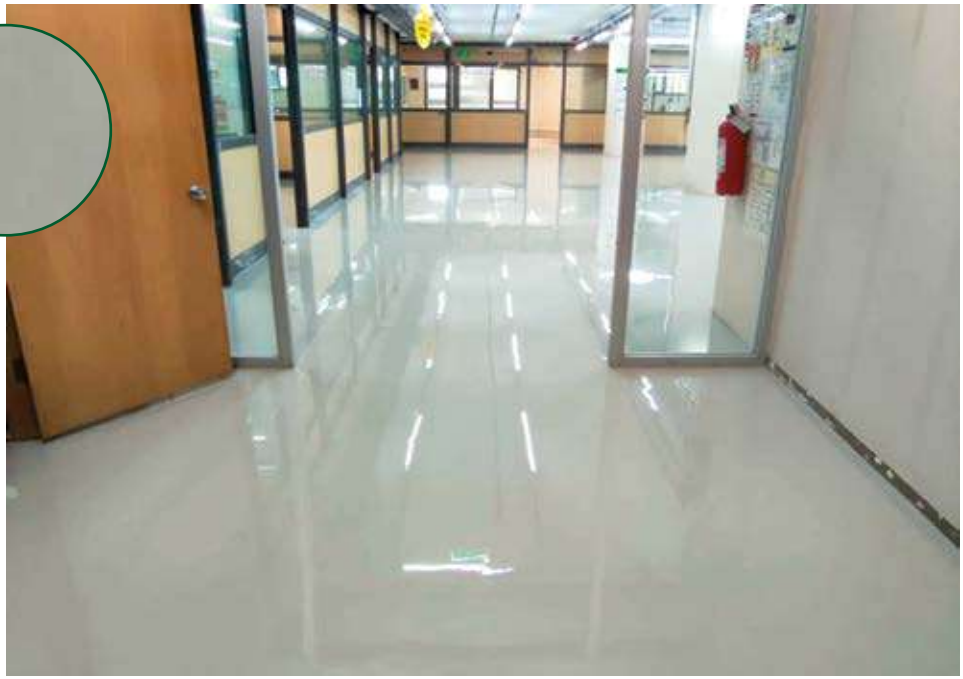
Rigidity	~80 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~90 N/mm² /	- EN. 196-1
Abrasion Resistance	~21 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~20 N/mm²	- EN 196-1

ALKEBA PAINT & COATING

ANTISTATIC EPOXY SELFLEVELLING COATING

07- ANTISTATIC EPOXY SELFLEVELLING COATING

PRODUCT SPECIFICATIONS	Prevents static electricity condensation, Antibacterial, Easy to clean, Monolithic (continuous, one-piece) structure that protects occupational and worker health, Semi-slip-resistant and impermeable, Aesthetic looking conductive coating material.
USAGE AREAS	Digital data storage areas, Battery charging rooms, Areas with sensitive electronic devices, Explosives production and storage areas, Safely used in pharmaceutical factories, food facilities and similar areas where static electricity must be eliminated.



Physical Strenght

Rigidity	~77 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~50 N/mm² /	- EN. 196-1
Abrasion Resistance	~33 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~20 N/mm²	- EN 196-1
Electrostatic Reaction	Rg ≤ 10^4 Ω IEC 61340-4-1 (DIN EN 1081)	

08- EPOXY WALL PAINT

PRODUCT SPECIFICATIONS	Can be applied on interior facades. Antibacterial, dirt repellent, easy to clean, Protecting occupational and worker health, High physical and chemical resistance, impermeable paint
USAGE AREAS	Used safely in areas where antibacterial paint is needed for hygiene areas such as food and pharmaceutical production facilities, pharmaceutical factories, food facilities, olive wells, factories, production facilities and similar areas.

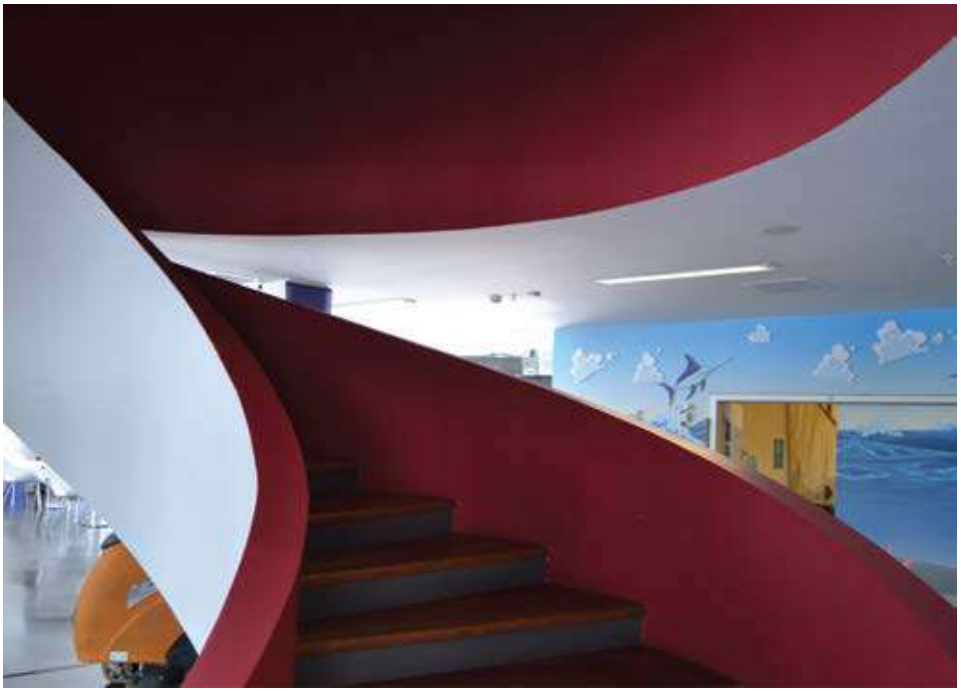
Physical Strenght		
Rigidity	~76 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~50 N/mm² /	- EN. 196-1
Abrasion Resistance	~35 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~22 N/mm²	- EN 196-1

EPOXY WALL PAINT

POLYURETHAN WALL PAINT

09- POLYURETHAN WALL PAINT

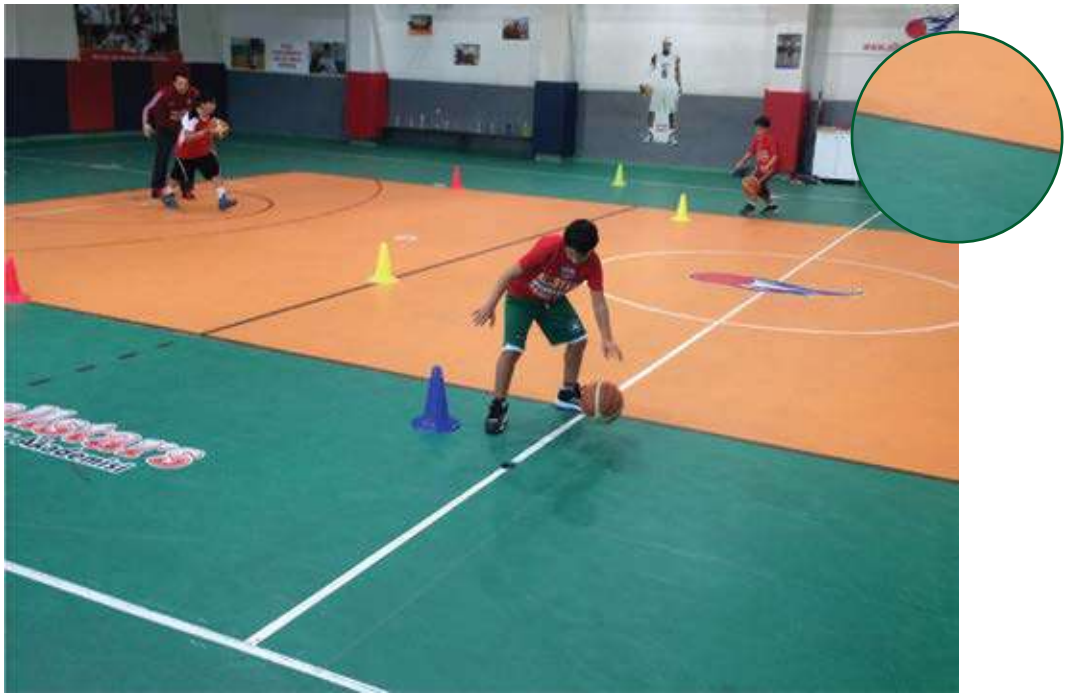
PRODUCT SPECIFICATIONS	High corrosion resistance. Excellent color vibrancy. Provides superior UV resistance. Provides smooth surfaces.
USAGE AREAS	Used safely in areas where antibacterial paint is needed for hygiene areas such as food and pharmaceutical production facilities, pharmaceutical factories, food facilities, olive wells, factories, production facilities and similar areas.



Physical Strenght		
Rigidity	~77 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~50 N/mm² /	- EN. 196-1
Abrasion Resistance	~33 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~20 N/mm²	- EN 196-1

10- SELFLEVELLING POLYURETHANE COATING

PRODUCT SPECIFICATIONS	Semi-flexible. Creates hygienic areas with its antibacterial feature. Easy to clean. High physical and chemical resistance. Non-slip and impermeable. Monolithic (continuous, single piece) structure that protects occupational and worker health. Aesthetic looking industrial coating material.
USAGE AREAS	Used safely indoors and outdoors in schools, gyms, exhibition areas, libraries, dining halls and similar areas thanks to its UV resistant protective layer.



Physical Strenght

Rigidity	~72 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~48 N/mm² /	- EN. 196-1
Abrasion Resistance	~38 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~55 N/mm²	- EN 196-1

SELFLEVELLING POLYURETHANE COATING

11- SELFLEVELLING POLYURETHANE COATING (FLEXIBLE)

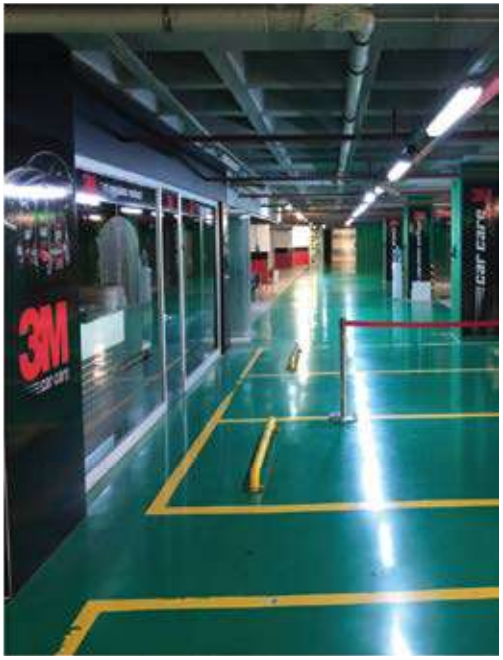
PRODUCT SPECIFICATIONS	Elastic. Creates hygienic areas with its antibacterial feature. Easy to clean. High physical and chemical resistance. Non-slip and impermeable. Monolithic (continuous, single piece) structure that protects occupational and worker health. Aesthetic looking industrial coating material.
USAGE AREAS	Used safely indoors and outdoors in nurseries, gyms, libraries and areas where flexible flooring is needed, thanks to its UV resistant protective layer.

Physical Strenght

Rigidity	~60 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~45 N/mm² /	- EN. 196-1
Abrasion Resistance	~40 mg / Taber (10X10)	-ASTM D4060
Holding	~1,5 N/mm² / (Rupture in Concrete)	-EN 4624
Tensile Force in Bending	~60 N/mm²	- EN 196-1

12- POLYURETHANE ROAD-LINE AND TRAFFIC DIVERT SIGNS

PRODUCT SPECIFICATIONS	High corrosion resistance. Excellent color vibrancy. Provides superior UV resistance. Provides smooth surfaces. Easy to use.
USAGE AREAS	On all steel surfaces with appropriate surface preparation and primer application (e.g. Sa 21/2 ISO 850-1:1988). It can be used safely as the final coat in Epoxy and Polyurethane coating systems where UV resistance is required, as well as Road-Line and Traffic Direction signs.



Physical Strenght

Rigidity	~80 /DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53505
Compression Resistance	~40 N/mm² /	- EN. 196-1
Abrasion Resistance	~22 mg / Taber (10X10)	-ASTM D4060
Holding	GT = 0 (Cross Cut)	-TS EN ISO 2409
Tensile Force in Bending	7 Inch	- ISO 6860

PRODUCT TECHNICAL DATA SHEET

Alkepoks 355

PRODUCT IDENTIFICATION	ALKEPOKS 355 EPOXY CLEAR RESIN (PRIMER) 2-component, solvent-free, low viscosity, high penetration Epoxy Resin.
USAGE AREAS	As a primer in all epoxy and polyurethane coatings and paints. As a binder in mortar and grout mortars. Can be used safely in interior and exterior areas.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.

PRODUCT INFORMATION	EPOXY	
Package	A Component (Alkepoks 355 Epoxy Resin)	= 15 Kg Tin Bucket
	B Component (Alkepoks 319 Primer Hardener)	= 6 Kg Tin Bin
	A + B Component.	= 21 kg set
Appearance/Color	A Component Resin	= Clear, liquid
	B Component Hardener	= Clear, liquid
Shelf Life	Shelf life is 24 months from the date of production.	
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.	
Consistency	A Component (Alkepoks 355 Epoxy Resin)	= 1,10 g/cm3
	B Component (Alkepoks 319 Epoxy Primer Hardener)	= 1,05 g/cm3
	Mixture	= 1,08 g/cm3
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).		
Solid Matter	A Component (Alkepoks 355 Epoxy Resin)	= %100
	B Component (Alkepoks 319 Epoxy Primer Hardener)	= %100

Physical Strenght		
Rigidity	~83 DIN 53505 (7 Days +23 °C / %50. Relative Humidity)	- DIN 53505
Compression Resistance	~55 N/mm² (02-05mm quartz %10 Alkepoks 355 Resin)	- EN. 196-1
Pull Off	~1,5 N/mm² (Rupture in Concrete)	- EN 196-1
Tensile Force in Bending	~15 N/mm² (02-05mm quartz %10 Alkepoks 355 Resin)	- EN 4624

APPLICATION TERMS and SYSTEM INFORMATION	
Application Terms	The reinforced concrete surface to be applied must have completed the 28-day concrete curing time, have a compressive strength of at least 225 kg / cm2 and the ground moisture content must be maximum 4%. Alkepoks 355 Epoxy Resin is not suitable for floors with rising water vapor (capillarity). Ambient humidity and temperature during application Ambient Temperature :+10°C and +30 °C Surface Temperature : +10°C and +30 °C Relative Humiditt . : Mostly %60 Dew Point: Attention to condensation during application and drying Please check. Use psychometer for condensation point detection, the floor temperature must not be above +3 °C above the condensation point. Avoid low temperature (below +15 °C), high humidity (above 60%) and at night when you cannot determine the dew point.
Surface Preparation	The reinforced concrete surface to be treated must be cleaned from dirt, dust and oil. On reinforced concrete floors, the layer with weakened corrosive bonds due to hydration (cement grout) should be scraped off the surface by mechanical means (diamond blade abrasives and/or shot blasting machines). Dust generated during the process should be removed from the area by vacuum. Capillary and pore (bird's eye) spaces should be made visible as a result of the process.
Product Preparation for Use	Mix component A with a low speed (300-400 rpm) mixer, slowly add component B during mixing and mix for 1 - 2 minutes. After the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes. If quartz sand is to be added, slowly add it to the mixture and mix for another 1-2 minutes.

SYSTEM INFORMATION

Primer	Consumption 0,250-0,300 kg/m² (0,230-0,270mm) 1mm = 1,080 kg./m² Application : With roller
Filled Primer	Consumption %50 Alkepoks 355 Epoxy resin + %50 Quartz sand (01-03mm) 1mm = 1,875 kg./m² Application: With a steel toothed trowel
Graut Repair Mortar	Consumption %25 Alkepoks 355 Resin + %75 Quartz sand 02-05mm. 1mm = 1,960 kg./m² Application: According to the surface to be repaired, cast and steel trowel leveling.
Mortar	Consumption %15 Alkepoks 355 Resin + %85 Quartz sand 02-05m. 1mm = 2,188 kg./m² Application: With reference strips and trowel or finishing machine.

Note: The quartz thickness to be used for filling can be changed in the granulometer so that the highest grain size does not exceed 1/3 of the coating thickness.

IMPREGNATION (PRIMER) COAT FOR COATINGS

For impregnation (primer application) suitable for the coating to be applied to the surface preparation completed;

Alkepoks 355 Epoxy Resin should be applied with a roller with a consumption of 0.250-0.300 kg/m2 or Alkepoks

355 Resin should be mixed with 50% quartz sand and applied with a trowel without waiting.

A continuous, non-porous surface should be obtained for the application of colored coats. If the process seems insufficient depending on the structure of the surface, the application should be repeated and leveled.

MORTAR COATING APPLICATION

After the primer (impregnation) process has dried (after a maximum of 24 hours), the mortar formed by mixing Alkepoks 355 resin = 15% Quartz Sand = 85% should be applied with a gauge with the help of reference strips prepared in the desired thickness ratio and leveled with a trowel or finishing machine.

If the mortar coating to be applied is more than 5 mm, it should be applied with glass fiber reinforcement.

GRAUT REPAIR MORTAR

The reinforced concrete surface to be repaired should be cleaned of dust, dirt and oil, broken loose parts should be cleaned, one layer of Alkepoks 355 Resin should be applied to the area to be repaired with a brush or roller. After the application dries, Alkepoks 355 Resin = 25%; quartz sand = 75% should be mixed and poured into the pits, holes and cracks and leveled with a trowel. (Cracks and joints should be widened using a breaker in crack and joint repairs.)

DRY PROGRAM

Alkepoks 355 Resin	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	30 min.	15 min.
Touch dry time (No dust)	12 hr.	8 hr.	4 hr.
Installation Dry Time (New coat application time)	48 hr.	24 hr.	12 hr.
Drying Time (Pedestrian and light forklift traffic)	3 Days	2 Days	1 Day
Curing Time (Full dry chemical resistance)	10 Days	7 Days	7 Days
The data are measurements made in a 60% relative humidity environment and are approximate.			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).

All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

PRODUCT TECHNICAL DATA SHEET

Alkepoks 346

PRODUCT IDENTIFICATION	ALKEPOKS 346 FILLED EPOXY PRIMER 2-component, solvent-free primer for multilayer systems.
USAGE AREAS	As primer coat in all multilayer epoxy and polyurethane coatings.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.
PRODUCT INFORMATION	EPOXY
Package	A Component (Alkepoks 346 Filled Epoxy Primer) = 24 kg Tin Bucket
	B Component (Alkepoks 319 Primer Hardener) = 6 kg Tin Bin
	A + B Component. = 30 kg set
Appearance/Color	A Component Resin = Clear, liquid
	B Component Hardener = Clear, liquid
Shelf Life	Shelf life is 12 months from production date.
Storage	The product should be stored in its original, unopened and undamaged packaging in a dry and sunless environment between +5 °C and +30 °C.
Consistency	A Component (Alkepoks 346 Epoxy Filled Primer) = 1,60 g/cm3
	B Component (Alkepoks 319 Epoxy Primer Hardener) = 1,05 g/cm3
	Mixture = 1,44 g/cm3
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).	
Solid Matter	A Component (Alkepoks 346 Epoxy Filled Primer) = %100
	B Component (Alkepoks 319 Epoxy Primer Hardener) = %100

PHYSICAL STRENGTH		
Rigidity	~80 DIN 53505 (7 Days +23 °C / %50 Relative humidity)	- DIN 53505
Compression Resistance	~52 N/mm² (02-05mm quartz %10 Alkepoks 346 Resin)	- EN. 196-1
Pull Off	~1,5 N/mm² (Rupture in Concrete)	- EN 196-1
Tensile Force in Bending	~20 N/mm² (02-05mm quartz %10 Alkepoks 355 Resin)	- EN 4624

APPLICATION TERMS and SYSTEM INFORMATION	
Application Terms	The reinforced concrete surface to be applied must have completed the 28-day concrete curing time, have a compressive strength of at least 225 kg / cm2 and the ground moisture content must be maximum 4%. Alkepoks 355 Epoxy Resin is not suitable for floors with rising water vapor (capillarity). <u>Ambient humidity and temperature during application</u> Ambient Temperature :+10 °C and +30 °C Surface Temperature : +10°C and +30 °C Relative Humiditt . : Mostly %60 Dew Point: Attention to condensation during application and drying Please check. Use psychometer for condensation point detection, the floor temperature must not be above +3 °C above the condensation point. Avoid low temperature (below +15 °C), high humidity (above 60%) and at night when you cannot determine the dew point
Surface Preparation	The reinforced concrete surface to be treated must be cleaned from dirt, dust and oil. On reinforced concrete floors, the layer with weakened corrosive bonds due to hydration (cement grout) should be scraped off the surface by mechanical means (diamond blade abrasives and/or shot blasting machines). Dust generated during the process should be removed from the area by vacuum. Capillary and pore (bird's eye) spaces should be made visible as a result of the process.
Product Preparation for Use	Mix component A with a low speed (300-400 rpm) mixer, slowly add component B during mixing and mix for 1 - 2 minutes. After the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes. If quartz sand is to be added, slowly add it to the mixture and mix for another 1-2 minutes.

SYSTEM INFORMATION

Primer	Consumption 0,350-0,500 kg/m² (0,243mm- 0,347mm) 1mm = 1,100 kg./m² Application : With hoe
Filled Primer	Consumption %50 Alkepoks 346 Epoxy Primer + %50 Quartz sand (01-03mm) 1mm = 1,875 g./m² Application: With steel hoe

Note: The quartz thickness to be used for filling can be changed in the granulometer so that the highest grain size does not exceed 1/3 of the coating thickness.

IMPREGNATION (PRIMER) COAT FOR COATINGS

For impregnation (primer application) in accordance with the coating to be applied,

Alkepoks 346 Epoxy Filled Primer should be applied with a consumption of 0.350-0.500 kg/m2 or

Alkepoks 346 Epoxy Filled Primer should be mixed with 50% quartz sand and applied with a trowel,

without waiting on the surface preparation completed.

A continuous, non-porous surface should be obtained for the application of colored coats. If the process seems insufficient depending on the structure of the surface, the application should be repeated and leveled.

For sand rough systems, the above process should be applied in 2 layers and sand with a minimum grain size of 02-05 mm should be sprinkled homogeneously in 2 layers with a consumption of 2,500 kg/m2.

DRY PROGRAM

ALKEPOKS 346 FILLED EPOXY PRIMER	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	30 min.	15 min.
Touch dry time (No dust)	12 hr.	8 hr.	4 hr.
Installation Dry Time (New coat application time)	48 hr.	24 hr.	12 hr.
Drying Time (Pedestrian and light forklift traffic)	3 Days	2 Days	1 Day
Curing Time (Full dry chemical resistance)	10 Days	7 Days	7 Days

The data are measurements made in a 60% relative humidity environment and are approximate.

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).

All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

Alkepoks 202

PRODUCT IDENTIFICATION	ALKEPOKS 202 SELFSMOOTHING EPOXY COATING 2-Component self-leveling color topcoat for epoxy floor coatings.
PRODUCT SPECIFICATIONS	Solvent free. Creates hygiene areas with its antibacterial feature. Easy to clean. High physical and chemical resistance. Semi-non-slip and impermeable, Monolithic (continuous, one-piece) structure that protects occupational and worker health. Aesthetic looking industrial flooring material.
USAGE AREAS	All floors where antibacterial floors are needed for hygiene areas such as pharmaceutical and food production facilities. Factories, production facilities, warehouses, multi-storey parking lots, exhibition halls and foyers where aesthetic appearance is needed and similar areas.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.

PRODUCT INFORMATION	EPOXY	
Package	A Component (Alkepoks 202 Selfsmoothing epoxy coating)	= 20 Kg Tin Bucket
	B Component (Alkepoks 535 Topcoat Epoxy Hardener)	= 5 Kg Tin Bin
	A + B Component.	= 25 kg set
Appearance/Color	A Component Resin	= Clear, liquid
	B Component Hardener	= Clear, liquid
Shelf Life	Shelf life is 24 months from the date of production.	
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.	
Consistency	A Component (Alkepoks 202 Selfsmoothing epoxy coating)	= 1,45 g/cm3 (+,- 0,1)
	B Component (Alkepoks 535 Topcoat Epoxy Hardener)	= 1,05 g/cm3
	Mixture	= 1,35 g/cm3 (+,- 0,1)
	C Component (02-05mm Quartz)	= 2,65 g/cm3 (+,- 0,1)
	A+B+C Mixture	= 2,00 g/cm3 (+,- 0,1)
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).		
Solid Matter	A Component (Alkepoks 202 Selfsmoothing epoxy coating)	= %100
	B Component (Alkepoks 535 Topcoat Epoxy Hardener)	= %100

PRODUCT TECHNICAL DATA SHEET

Physical Strenght

Rigidity	~78 DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53 505
Compression Resistance	~52 N/mm² (Alkepoks 202 Selfsmoothing Epoxy Coating)	- EN 196-1
Abrasion	~30 mg (CS 10/100/1000) 7 Days /+23 °C	- DIN 53 109
Pull Off	~1,5 N/mm² (Rupture in Concrete)	- ISO 4624
Tensile Force in Bending	~20 N/mm² (02-05mm quartz %10 - 28 Days)	- EN. 196-1

Chemical Strenght

Chemicals	Result	
Sulfuric Acid	A	(%20 Concentration)
Nitric Acid	A	(%5 Concentration)
Methylene Chloride (DCM)	D	-
Hydrochloric Acid	A	(%5 Concentration)
Acetic Acid	A	(%5 Concentration)
Acetone	E	-
Ammonia	B	(%40 Concentration)
Hydrazine Hydrate	C	-

A= Very Durable B= Durable C= Slightly Durable D = Not Durable E= Very Not Durable
(Request chemical resistance table for different chemicals.)

THERMAL RESISTANCE

Temperature	Resistance Duration	
Until +50 ^{0}C	Continual	(Moisture mostly %80)
Until +80 ^{0}C	7 Days	(Moisture mostly %80)
Until +100 ^{0}C	12 Hours	(Moisture mostly %80)

Warning: It can withstand temperatures between +80 °C and +100 °C for short periods of time and when the ambient temperature is at least +15 °C and without simultaneous physical or chemical effects.

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application

Ambient Temperature:+10 °C and+30 °C
Surface Temperature:+10°C and +30°C
Relative Humidity: Mostly %80
Dew Point: Attention to condensation during application and drying
Please check. Use psychometer for condensation point detection, the floor temperature must not be above +3 °C above the condensation point.

Avoid low temperature (below +15 °C), high humidity (above 50%) and at night when you cannot determine the dew point.

Product Preparation for Use

Mix component A with a low speed (300-400 rpm) mixer, slowly add component B during mixing and mix for 1 - 2 minutes. After the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes. If quartz sand is to be added, slowly add it to the mixture and mix for another 1-2 minutes.

SYSTEM INFORMATION

System and Consumptions

001.E-SELFLEVELLING EPOXY COATING (ECONOMIC AND SELFLEVELLING)

Consumptions and Thickness	Consumption :	1,250-1,600 kg/m² = 1mm = 1,450 kg./m²
	Application :	Steel toothed trowel

Without waiting for the surface to be prepared, apply Alkepoks 202 Self-Leveling Epoxy Coating to a continuous, non-porous, clean and smooth surface that has been impregnated (primer application) in a manner suitable for the coating to be applied (See Alkepoks 355 Epoxy Primer); Apply Alkepoks 202 Self-Leveling Epoxy Coating with a steel-toothed trowel at a consumption range of 1,250 - 1,600 k/m2, walk on it with the help of a spiked shoe and comb it with a spiked roller.

01- SELFLEVELLING EPOXY COATING (SELFLEVELLİG)

Consumptions and Thickness	Consumption :	A+B+C = 10+2,5+25 = 5kg/m² 1m m = 2,00 kg./m²
	Application:	Steel toothed trowel

Without waiting for the surface to be prepared, apply Alkepoks 202 Self-Leveling Epoxy Coating to a continuous, non-porous, clean and smooth surface that has completed the impregnation (primer application) process in a manner suitable for the coating to be applied (See Alkepoks 355 Epoxy

Primer); mix 50% Alkepoks 202 Self-Leveling Epoxy Coating with 01-03mm quartz sand (A+B = 2.5 kg/m2; C = 2.5 kg/m2) with a steel-toothed trowel with a consumption of 5 kg/m2, then walk on it with the help of spiked shoes and comb it with a spiked roller.

002-SELFSMOOTHING EPOXY COATING (SELFSMOOTHİNG)

Consumptions and Thickness	Consumption: 0,500 - 0,750 kg/m² (0,350-0,500 mm.)
	Application: Steel toothed trowel.

Without waiting for the surface to be prepared, apply Alkepoks 202 Self-leveling epoxy coating to a continuous, non-porous, clean and smooth surface that has been impregnated (primer application) in a manner suitable for the coating to be applied (See Alkepoks 355 Epoxy Primer); Apply with a steel-toothed trowel at a consumption range of 0.500 -0.750 k/m2 and walk on it with the help of a spiked shoe and comb with a roller.

DRY PROGRAM

ALKEPOKS 202 SELFLEVELLING EPOXY COATING	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	30 min.	15 min.
Touch dry time (No dust)	12 hr.	8 hr.	4 hr.
Installation Dry Time (New coat application time)	48 hr.	24 hr.	12 hr.
Drying Time (Pedestrian and light forklift traffic)	3 Days	2 Days	1 Day
Curing Time (Full dry chemical resistance)	10 Days	7 Days	7 Days
The data are measurements made in a 60% relative humidity environment and are approximate.			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).
All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

ALKEBA PAINT & COATING

Alkepoks 505

PRODUCT IDENTIFICATION	ALKEPOKS 505 TOP COAT EPOXY PAINT 2-Component self-levelling coloured topcoat for epoxy floor coatings.
PRODUCT SPECIFICATIONS	Solvent free. Creates hygiene areas with its antibacterial feature. Easy to clean. High physical and chemical resistance. Semi-non-slip and impermeable, Monolithic (continuous, one-piece) structure that protects occupational and worker health. Aesthetic looking industrial flooring material.
USAGE AREAS	It can be used safely in places where antibacterial areas are needed, such as walls and floors, olive wells, food, textile, warehouses, factory floors, multi-storey car parks, hygiene areas.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.

PRODUCT INFORMATION	EPOXY	
Package	A Component (Alkepoks 505 Top coat epoxy paint)	= 20 Kg Tin Bucket
	B Component (Alkepoks 535 Top Coat Epoxy Hardener)	= 5 Kg Tin Bin
Appearance/Color	A Component (Alkepoks 505 Top coat epoxy paint)	= Clear, liquid
	B Component Hardener	= Clear, liquid
Shelf Life	Shelf life is 12 months from the date of production.	
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.	
Consistency	A Component (Alkepoks 505 Top coat epoxy paint)	= 1,55 g/cm3 (+,- 0,1)
	B Component (Alkepoks 535 Top Coat Epoxy Hardener)	= 1,05 g/cm3
	Mixture	= 1,42 g/cm3 (+,- 0,1)
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer.		
Solid Matter	A Component (Alkepoks 505 Top coat epoxy paint)	= %100
	B Component (Alkepoks 535 Top Coat Epoxy Hardener)	= %100

PRODUCT TECHNICAL DATA SHEET

Physical Strenght

Rigidity	~78 DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53 505
Compression Resistance	~50 N/mm²	- EN 196-1
Abrasion	~32 mg (CS 10/100/1000) 7 Days /+23 °C	- DIN 53 109
Pull Off	~1,5 N/mm² (Rupture in Concrete)	- ISO 4624
Tensile Force in Bending	~22 N/mm² (02-05mm quartz %10 - 28 Days)	- EN. 196-1

Chemical Strenght

Chemicals	Sonuç	
Sulfuric Acid	A	(%20 Concentration)
Nitric Acid	A	(%5 Concentration)
Methylene Chloride (DCM)	D	-
Hydrochloric Acid	A	(%5 Concentration)
Acetic Acid	A	(%5 Concentration)
Acetone	E	-
Ammonia	B	(%40 Concentration)
Hydrazine Hydrate	C	-

A= Very Durable B= Durable C= Slightly Durable D = Not Durable E= Very Not Durable
(Request chemical resistance table for different chemicals.)

THERMAL RESISTANCE

Temperature	Resistance Duration	
Until +50 ^{0}C	Continual	(Moisture mostly %80)
Until +80 ^{0}C	7 Days	(Moisture mostly %80)
Until +100 ^{0}C	12 Hours	(Moisture mostly %80)

Warning: It can withstand temperatures between +80 ^{0}C and +100 ^{0}C for short periods of time and when the ambient temperature is at least +15 ^{0}C and without simultaneous physical or chemical effects.

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application
Ambient Temperature:+10°C and +30 °C
Surface Temperature:+10 °C and +30 °C
Relative Humidity: Mostly %80

Dew Point: Attention to condensation during application and drying
Please check. Use psychometer for condensation point detection, the floor temperature must not be above +3 °C above the condensation point.

Avoid low temperature (below +15 °C), high humidity (above 50%) and at night when you cannot determine the dew point.

Product Preparation for Use

Mix component A with a low speed (300-400 rpm) mixer, slowly add component B during mixing and mix for 1 - 2 minutes. After the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes. If quartz sand is to be added, slowly add it to the mixture and mix for another 1-2 minutes.

SYSTEM INFORMATION

System and Consumptions

02- SELFSMOOTHING EPOXY COATING (Selfsmoothing)

Consumptions and Thickness	Consumption : 0,400-0,500 kg/m² (0,281-0,352mm)	1mm = 1,420 kg./m²
	Application: Steel toothed trowel and/or roller	

Without waiting on the prepared surface, the impregnation (primer application) process (See Alkepoks) 355 Epoxy primer) in accordance with the coating to be applied ensures that these are carried out continuously without any flaps, cleanly and smoothly;

Apply Alkepoks 505 Epoxy Flat Finish Paint with a steel ring trowel at a consumption diameter of 0.400 - 0.500 k/m2 and comb it with a roller by walking on it with the help of spiked shoes.

007-EPOXY WALL PAINT

Consumptions and Thickness	Consumption: 0,250 - 0,500 kg/m² (0,176-0,352 mm)
	Application: Roller

On a surface that has been completed with plaster and/or sanding process and has a continuous, clean and smooth surface with Alkepoks 355 Primer; Apply Alkepoks 505 Epoxy Top Coat Paint with a consumption range of 0.250 -0.500 k/m2 with a roller in 2 or 3 coats.

DRY PROGRAM

ALKEPOKS 505 EPOXY TOP COAT PAINT	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	30 min.	15 min.
Touch dry time (No dust)	12 hr.	8 hr.	4 hr.
Installation Dry Time (New coat application time)	48 hr.	24 hr.	12 hr.
Drying Time (Pedestrian and light forklift traffic)	3 Days	2 Days	1 Day
Curing Time (Full dry chemical resistance)	10 Days	7 Days	7 Days
The data are measurements made in a 60% relative humidity environment and are approximate.			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).
All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

Alkepoks 454

PRODUCT IDENTIFICATION	ALKEPOKS 454 ORANGE PEEL EPOXY PAINT 2 Component Orange Peel (Orange peel appearance) Epoxy top coat paint.
PRODUCT SPECIFICATIONS	Solvent free. Creates hygiene areas with its antibacterial feature. Easy to clean. High physical and chemical resistance. Semi-non-slip and impermeable, Monolithic (continuous, one-piece) structure that protects occupational and worker health,
USAGE AREAS	It is used in places such as warehouses, workshops, multi-storey underground car parks, garages and similar places where easy-to-clean, antibacterial, non-slip floors are needed.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.

PRODUCT INFORMATION	EPOXY	
Package	A Component (Alkepoks 454 orange peel epoxy paint)	= 20 Kg Tin Bucket
	B Component (Alkepoks 535 Top Coat Epoxy Hardener)	= 5 Kg Tin Bin
Appearance/Color	A Component Resin	= Colourful, gel consistency
	B Component Hardener	= Clear, liquid
Shelf Life	Shelf life is 12 months from the date of production.	
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.	
Consistency	A Component (Alkepoks 454 orange peel epoxy paint)	= 1,60 g/cm3 (+,- 0,1)
	B Component (Alkepoks 535 Top Coat Epoxy Hardener)	= 1,05 g/cm3
	Mixture	= 1,44 g/cm3 (+,- 0,1)
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).		
Solid Matter	A Component (Alkepoks 454 orange peel epoxy paint)	= %100
	B Component (Alkepoks 535 Top Coat Epoxy Hardener)	= %100

PRODUCT TECHNICAL DATA SHEET

Physical Strenght

Rigidity	~76 DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53 505
Compression Resistance	~55 N/mm^2	- EN 196-1
Abrasion	~32 mg (CS 10/100/1000) 7 Days /+23 °C	- DIN 53 109
Pull Off	~1,5 N/mm^2 (Rupture in Concrete)	- ISO 4624
Tensile Force in Bending	~23 N/mm^2 (02-05mm quartz %10 - 28 Days)	- EN. 196-1

Chemical Strenght

Chemicals	Result	
Sulfuric Acid	A	(%20 Concentration)
Nitric Acid	A	(%5 Concentration)
Methylene Chloride (DCM)	D	-
Hydrochloric Acid	A	(%5 Concentration)
Acetic Acid	A	(%5 Concentration)
Acetone	E	-
Ammonia	B	(%40 Concentration)
Hydrazine Hydrate	C	-

A= Very Durable B= Durable C= Slightly Durable D = Not Durable E= Very Not Durable
(Request chemical resistance table for different chemicals.)

THERMAL RESISTANCE

Temperature	Resistance Duration	
Until +50 ^{0}C	Continual	(Moisture mostly %80)
Until +80 ^{0}C	7 Days	(Moisture mostly %80)
Until +100 ^{0}C	12 Hours	(Moisture mostly %80)

Warning: It can withstand temperatures between +80 ^{0}C and +100 ^{0}C for short periods of time and when the ambient temperature is at least +15 ^{0}C and without simultaneous physical or chemical effects.

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application

Ambient Temperature:+10 ^{0}C and +30 ^{0}C
Surface Temperature: +10 ^{0}C and +30 ^{0}C
Relative Humidity: Mostly %80

Dew Point: Attention to condensation during application and drying
Please check. Use psychometer for condensation point detection, the floor temperature must not be above +3 ^{0}C above the condensation point.

Avoid low temperature (below +15 ^{0}C), high humidity (above 50%) and at night when you cannot determine the dew point.

Product Preparation for Use

Mix component A with a low speed (300-400 rpm) mixer, slowly add component B during mixing and mix for 1 - 2 minutes. After the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes. If quartz sand is to be added, slowly add it to the mixture and mix for another 1-2 minutes .

SYSTEM INFORMATION

System and Consumptions

03- MULTILAYER EPOXY COATING (MULTILAYER)

Consumptions and Thickness	Consumption : 0,350-0,500 kg/m^2 (0,240-0,340 mm)	1mm = 1,440 kg./m^2
	Application: Steel toothed trowel and coral roller	

Without waiting for the surface preparation to be completed, apply Alkepoks 454 Epoxy Multilayer Coating to a continuous, non-porous, clean and smooth surface that has been impregnated (primer application) in a manner suitable for the coating to be applied (See Alkepoks 355 Epoxy Primer) with a steel-toothed trowel at a consumption range of 0.350 - 0.500 kg/m2, walk on it with the help of a spiked shoe and comb it with a coral roller to create a pattern.

DRY PROGRAM

ALKEPOKS 454 ORANGE PEEL EPOXY COATING	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	30 min.	15 min.
Touch dry time (No dust)	12 hr.	8 hr.	4 hr.
Installation Dry Time (New coat application time)	48 hr.	24 hr.	12 hr.
Drying Time (Pedestrian and light forklift traffic)	3 Days	2 Days	1 Day
Curing Time (Full dry chemical resistance)	10 Days	7 Days	7 Days
The data are measurements made in a 60% relative humidity environment and are approximate.			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).
All residual materials and empty containers must be disposed of in accordance with national regulations and legislation

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

Alkepoks 627

PRODUCT IDENTIFICATION	ALKEPOKS 627 CLEAR EPOXY RESIN 2-Component self-levelling coloured topcoat for epoxy coatings.
PRODUCT SPECIFICATIONS	Solvent free. Creates hygiene areas with its antibacterial feature. Easy to clean. High physical and chemical resistance. Semi-non-slip and impermeable, Monolithic (continuous, one-piece) structure that protects occupational and worker health. Aesthetic looking industrial floor covering material.
USAGE AREAS	It is used in Pharma terrazzo and Terrazzo coatings, in the final layer of decorative floors; and in the manufacture, coating and protection of external decorative objects.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.

PRODUCT INFORMATION	EPOXY	
Package	A Component (Alkepoks 627 Clear Epoxy Resin)	= 20 Kg Tin Bucket
	B Component (Alkepoks 535 Topcoat Epoxy Hardener)	= 5 Kg Tin Bin
	A + B Component.	= 25 kg set
Appearance/Color	A Component Resin	= Clear, liquid
	B Component Hardener	= Clear, liquid
Shelf Life	Shelf life is 24 months from the date of production.	
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.	
Consistency	A Component (Alkepoks 627 Clear Epoxy Resin)	= 1,10 g/cm3 (+,- 0,1)
	B Component (Alkepoks 535 Topcoat Epoxy Hardener)	= 1,05 g/cm3
	Mixture	= 1,08 g/cm3 (+,- 0,1)
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).		
Solid Matter	A Component A Component (Alkepoks 627 Clear Epoxy Resin)= %100	
	B Component (Alkepoks 535 Topcoat Epoxy Hardener)	= %100

PRODUCT TECHNICAL DATA SHEET

Physical Strenght

Rigidity	~77 DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53 505
Compression Resistance	~85 N/mm² (02-05mm quartz %10 Alkepoks 627 Resin)	- EN 196-1
Abrasion	~22 mg (CS 10/100/1000) 7 Days /+23 °C	- DIN 53 109
Pull Off	~1,5 N/mm² (Rupture in Concrete)	- ISO 4624
Tensile Force in Bending	~25 N/mm² (02-05mm quartz %10 - 28 Days)	- EN. 196-1

Chemical Strenght

Chemicals	Sonuç	
Sulfuric Acid	A	(%20 Concentration)
Nitric Acid	A	(%5 Concentration)
Methylene Chloride (DCM)	D	-
Hydrochloric Acid	A	(%5 Concentration)
Acetic Acid	A	(%5 Concentration)
Acetone	E	-
Ammonia	B	(%40 Concentration)
Hydrazine Hydrate	C	-

A= Very Durable B= Durable C= Slightly Durable D = Not Durable E= Very Not Durable
(Request chemical resistance table for different chemicals.)

THERMAL RESISTANCE

Temperature	Resistance Duration	
Until +50 ^{0}C	Continual	(Moisture mostly %80)
Until +80 ^{0}C	7 Days	(Moisture mostly %80)
Until +100 ^{0}C	12 Hours	(Moisture mostly %80)

Warning: It can withstand temperatures between +80 ^{0}C and +100 ^{0}C for short periods of time and when the ambient temperature is at least +15 ^{0}C and without simultaneous physical or chemical effects.

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application

Ambient Temperature:+10 ^{0}C and +30 ^{0}C
Surface Temperature: +10 ^{0}C and +30 ^{0}C
Relative Humidity: Mostly %80

Dew Point: Attention to condensation during application and drying

Please check. Use psychometer for condensation point detection, the floor temperature must not be above +3 ^{0}C above the condensation point

Avoid low temperature (below +15 ^{0}C), high humidity (above 50%) and at night when you cannot determine the dew point.

Product Preparation for Use

Mix component A with a low speed (300-400 rpm) mixer, slowly add component B during mixing and mix for 1 - 2 minutes. After the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes. If quartz sand is to be added, slowly add it to the mixture and mix for another 1-2 minutes.

SYSTEM INFORMATION

Alkepoks 627 Epoxy Clear Resin is a product with a very wide range of applications. Below are 2 examples of coating applications. For external applications, please contact your supplier.

005-TERRAZZO EPOXY COATING

Consumptions and Thickness	Alkepoks 627 Clear Epoxy Resin :	2,500 kg/m^2 (2,31mm)
	Alkesil 085 Colorful Quartz 08-1,0mm :	10,00 kg/m^2. (3,77mm)
	Application: Reference strips, calender, snowshoes, trowel, gauge.	

Without waiting for the surface preparation to be completed, the impregnation (primer application) process to be completed in a manner suitable for the coating to be made (See Alkepoks 355 Epoxy Primer) is applied to the continuous, non-porous, clean and smooth surface;

Alkepoks 627 Clear Epoxy Resin 2.5 kg/m2 + 10 kg Alkasil colored quartz is turned into mortar and poured onto the ground between 6 mm reference strips. It is leveled with a trowel and a float.

After pouring, the reference strips are removed from the ground and the gaps formed are filled with mortar. Then it is leveled again with a finishing machine. In this process, the personnel should wear snowshoes and work without leaving any traces on the coating.

After the coating dries, Alkepur 576 protective mat varnish should be applied with a consumption of 0.100 kg/m2.

006-EPOXY TERRAZZO COATING		
Consumptions and Thickness	Alkepoks 627 Clear Epoxy Resin:	5,00 kg/m^2 (4,63 mm)
	Aggregate :	20,00 kg/m^2. (7,54mm)
	Application: Reference strips, calender, snowshoes, trowel, gauge, diamond grinding.	

Without waiting for the surface preparation to be completed, the impregnation (primer application) process to be completed in accordance with the coating to be made (See Alkepoks 355 Epoxy Primer) is applied to the continuous, non-porous, clean and smooth surface;

Alkepoks 627 Clear Epoxy Resin 5 kg/m2 + 20 kg Aggregate is turned into mortar and poured onto the ground between 12 mm reference strips. It is leveled with a trowel and a straightedge.

After pouring, the reference strips are removed from the ground and the gaps formed are filled with mortar. Then it is leveled again with a finishing machine. In this process, the personnel should wear snowshoes and work without leaving any traces on the coating.

After the coating dries, the ground should be wiped with diamond blade polishing machines until it is polished, and Alkepur 576 protective glossy varnish should be applied to the smoothed ground with a consumption of 0.50 kg/m2.

APPLICATION TERMS AND SYSTEM INFORMATION

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application

Ambient Temperature:+10 °C and +30 °C

Surface Temperature: +10 °C and +30 °C

Relative Humidity: Mostly %80

DRY PROGRAM

Alkepoks 627 Clear Epoxy Resin	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	120 min.	90 min.	30 min.
Touch dry time (No dust)	20 hr.	10 hr.	6 hr.
Installation Dry Time (New coat application time)	72 hr.	48 hr.	20 hr.
Drying Time (Pedestrian and light forklift traffic)	5 Days	3 Days	2 Days
Curing Time (Full dry chemical resistance)	9 Days	8 Days	7 Days

The data are measurements made in a 60% relative humidity environment and are approximate.

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).

All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

PRODUCT TECHNICAL DATA SHEET

Alkepoks 438 İA

PRODUCT IDENTIFICATION	ALKEPOKS 438 CONDUCTIVE EPOXY PRIMER 2-Component electrostatically conductive primer for antistatic epoxy coatings.
PRODUCT SPECIFICATIONS	Highly electrostatic conductivity that prevents static electricity condensation. Easy to apply primer.
USAGE AREAS	As conductive primer coat in antistatic coatings.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.

PRODUCT INFORMATION	EPOXY	
Package	A Component (Alkepoks 438 Conductive Primer)	= 24 Kg Tin Bucket
	B Component (Alkepoks 438 Conductive Primer Hardener)	= 4 Kg Tin Bin
	A + B Component.	= 30 kg set
Appearance/Color	A Component Resin	= Black, liquid
	B Component Hardener	= Blush, liquid
Shelf Life	Shelf life is 12 months from the date of production.	
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.	
Consistency	A Component (Alkepoks 438 Conductive Primer)	= 1,15 g/cm3
	B Component (Alkepoks 438 Conductive Primer Hardener)	= 1,06 g/cm3
	Mixture	= 1,04 g/cm3
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer.		
Solid Matter	A Component (Alkepoks 438 Conductive Primer)	= % 44
	B Component (Alkepoks 438 Conductive Primer Hardener)	= % 34
Electrostatic Reaction	Rg ≤ 10^4 Ω IEC 61340-4-1 (DIN EN 1081)	

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application

Ambient Temperature:+10 ^{0}C and +30 ^{0}C
Surface Temperature: +10 ^{0}C and +30 ^{0}C
Relative Humidity: Mostly %80

Product Preparation for Use

Mix Alkepoks 438 Epoxy Conductive Primer A component with low speed (300-400 rpm) mixers, slowly add B component during mixing and mix for 1 - 2 minutes. After the mixture is completed, transfer to another clean container and mix again for 1 - 2 minutes.

Before conductive primer application, 1 grounding kit should be used for every 100 m2 open area, 1 grounding set should be applied in each section in areas with interruptions of less than 100 m.

Consumption =. 0,050-0,080 kg/m^2 Application =Roller

DRY PROGRAM

(Alkepoks 438 Conductive Primer)	+10 ^{0}C	+20 ^{0}C	+30 ^{0}C
Container Time (Product usage time)	120 min.	90 min.	30 min.
Touch dry time (No dust)	20 hr.	10 hr.	6 hr.
Installation Dry Time (New coat application time)	72 hr.	48 hr.	20 hr.
Drying Time (Pedestrian and light forklift traffic)	5 Days	3 Days	2 Days
Curing Time (Full dry chemical resistance)	9 Days	8 Days	7 Days

The data are measurements made in a 60% relative humidity environment and are approximate.

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).
All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

PRODUCT TECHNICAL DATA SHEET

Alkepoks 483

PRODUCT IDENTIFICATION	ALKEPOKS 483 Epoxy Selflevelling conductive coating Epoxy based, electrostatic conductive, 2-component self-leveling colored top coat.
PRODUCT SPECIFICATIONS	Prevents static electricity condensation, Antibacterial, Easy to clean, Protects occupational and worker health with a monolithic (continuous, single piece) structure, Semi-slip and impermeable, Aesthetic looking conductive floor covering material.
USAGE AREAS	It is used safely in digital data storage areas, battery charging rooms, areas where sensitive electronic devices are located, explosive production and storage areas, pharmaceutical factories, food facilities and similar areas where static electricity needs to be eliminated.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.
WARNING	Please read this sheet to the end. Alkepokss 202 Epoxy Selfleveling is suitable for use only with the support of trained, professional team and specialized equipment.

PRODUCT INFORMATION	EPOXY
Package	A Component (Alkepoks 483 Self-leveling Conductive Epoxy Coating) = 21 Kg Tin Bucket
	B Component (Alkepoks 483 Conductive Topcoat Hardener) = 4 Kg Tin Bin
	A + B Component. = 25 kg set
Appearance/Color	A Component Resin = Colorful, liquid
	B Component Hardener = Yellowish, liquid
Shelf Life	Shelf life is 12 months from the date of production.
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.
Consistency	A Component (Alkepoks 483 Self-leveling Conductive Epoxy Coating) = 1,70 g/cm3
	B Component (Alkepoks 483 Conductive Topcoat Hardener) = 1,03 g/cm3
	Mixture = 1,54 g/cm3
	Filled Resin Mixture (Quartz 30%) = 1,76
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).	
Solid Matter	A Component (Alkepoks 483 Self-leveling Conductive Epoxy Coating) = % 97
	B Component (Alkepoks 483 Conductive Topcoat Hardener) = % 97

TECHNICAL INFORMATION		
Physical Strenght		
Hardness	~78 /DIN 53505 (7 Days +23 °C / %50 Relative Humanity)	- DIN 53505
Compression Resistance	~52 N/mm² / (02-05mm quartz %30 Alkepoks 483)	- EN. 196-1
Abrasion Resistance	~35mg / Taber (10X10)	-ASTM D4060
Hold on	~1,5 N/mm² / (Rupture in concrete)	-EN 4624
Tension Bending Force	~40 N/mm² /	- EN 196-1
Electrical Resistance Values		
Ground Resistance (Discharge)	Rg ≤ 10^9 Ω	(IEC 61340-4-1)
Resistance of All Layers	Rg < 10^6 Ω	(DIN EN 1081)

Thermal Resistance

Temperature	Resistance Duration	Moisture
Until +50 ^{0}C	Continual	Mostly %80
Until +80 ^{0}C	7 Days	Mostly %80
Until +100 ^{0}C	12 Hours	Mostly %80

Warning: Withstands temperatures between +80 ^{0}C and +100 ^{0}C; short-term, ambient temperature of at least +15 0C and without simultaneous physical or chemical effects.

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application

Ambient Temperature:+10 ^{0}C and +30 ^{0}C
Surface Temperature: +10 ^{0}C and +30 ^{0}C
Relative Humidity: Mostly %80

Dew Point: Pay attention to condensation during application and drying. Use a psychometer for condensation point detection, the floor temperature should not be more than +3 0C above the condensation point.

Avoid low temperature (below +15 0C) and high humidity (above 50%) and nighttime application when you cannot determine the dew point.

Product Preparation for Use

Mix Alkepoks 438 Epoxy Conductive Primer A component with low speed (300-400 rpm) mixers, slowly add B component during mixing and mix for 1 - 2 minutes. After the mixture is completed, transfer to another clean container and mix again for 1 - 2 minutes.

SYSTEM INFORMATION

Alkepoks 438 Epoxy Conductive Primer	Consumption = 0,080 - 0,100 kg/m^2 Application: Roller
(Alkepoks 483 Self-leveling Conductive Epoxy Coating)	Consumption: A+B+C. = 2,100 kg./m^2 (+,- 0,200 kg) Application: Steel toothed trowel

ALKEPOKS 483 ANTISTATIC EPOXY SELFLEVELING FLOOR COATING

On the continuous non-porous, clean and smooth surface with impregnation (primer application) process completed in accordance with the coating to be made (See Alkepoks 355 Epoxy primer) without waiting for the ground whose surface preparation is completed;
1 earthing kit should be used in every 100 m2 open area, 1 earthing kit should be applied in each section in areas interrupted less than 100 m, then apply Alkepoks 438 Epoxy Conductive Primer with a consumption range of 0.080 - 0.100 k / m2 with a roller and wait for 1 day;
Mix Alkepoks 483 Epoxy Antistatic Selfleveling 30% with 01-03mm quartz sand and apply with a steel toothed trowel with a consumption of A + B + C = 2.1 kg / m2, then walk on it with the help of studded shoes and comb it with a spiked roller.

DRY PROGRAM

Alkepoks 483 Self-leveling Conductive Epoxy Coating	+10 ^{0}C	+20 ^{0}C	+30 ^{0}C
Container Time (Product usage time)	60 min.	30 min.	15 min.
Touch dry time (No dust)	12 hr.	8 hr.	4 hr.
Installation Dry Time (New coat application time)	48 hr.	24 hr.	12 hr.
Drying Time (Pedestrian and light forklift traffic)	3 Days	2 Days	1 Day
Curing Time (Full dry chemical resistance)	10 Days	7 Days	7 Days
The data are measurements made in a 60% relative humidity environment and are approximate.			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).
All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

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PRODUCT TECHNICAL DATA SHEET

Alkepur 517

PRODUCT IDENTIFICATION	ALKEPUR 517 SELF-LEVELING POLYURETHANE COATING Polyurethane based 2-component self-leveling color coating
PRODUCT SPECIFICATIONS	Solvent free. Semi-flexible Creates hygiene areas with its antibacterial feature. Easy to clean. High physical and chemical resistance. Semi-non-slip and impermeable, Monolithic (continuous, one-piece) structure that protects occupational and worker health. Aesthetic looking industrial floor covering material.
USAGE AREAS	It can be safely used indoors and outdoors in schools, gymnasiums, exhibition areas, libraries, dining halls and similar areas thanks to its UV resistant protective layer.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.

PRODUCT INFORMATION	POLYURETHANE	
Package	A Component (Alkepur 517 Self-leveling Polyurethane Coating)	= 20 Kg Tin Bucket
	B Component (Alkepur 562 Polyurethane Topcoat Hardener)	= 5 Kg Tin Bin
	A + B Component.	= 25 kg set
Appearance/Color	A Component Resin	= Colorful, liquid
	B Component Hardener	= Yellowish, liquid
Shelf Life	Shelf life is 12 months from the date of production.	
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.	
Consistency	A Component (Alkepur 517 Self-leveling Polyurethane Coating)	= 1,50 g/cm3 (+,- 0,1)
	B Component (Alkepur 562 Polyurethane Topcoat Hardener)	= 1,05 g/cm3
	Mixture	= 1,38 g/cm3 (+,- 0,1)
	C Component (02-05mm Quartz)	= 2,65 g/cm3 (+,- 0,1)
	A+B+C Mixture	= 1,82 g/cm3 (+,- 0,1)
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).		
Solid Matter	A Component (Alkepur 517 Self-leveling Polyurethane Coating)	= % 98
	B Component (Alkepur 562 Polyurethane Topcoat Hardener)	= % 98

Physical Strenght

Rigidity	~72 DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53 505
Compression Resistance	~48 N/mm² (02-05mm quartz %10 Alkepoks 355 Resin)	- EN 196-1
Abrasion	~38 mg (CS 10/100/1000) 7 Days /+23 °C	- DIN 53 109
Pull Off	~1,5 N/mm² (Rupture in Concrete)	- ISO 4624
Tensile Force in Bending	~55 N/mm² (02-05mm quartz %10 - 28 Days)	- EN. 196-1

Chemical Strenght

Chemicals	Result	
Sulfuric Acid	A	(%20 Concentration)
Nitric Acid	A	(%5 Concentration)
Methylene Chloride (DCM)	C	-
Hydrochloric Acid	B	(%5 Concentration)
Acetic Acid	A	(%5 Concentration)
Acetone	E	-
Ammonia	B	(%40 Concentration)
Hydrazine Hydrate	C	-

A= Very Durable B= Durable C= Slightly Durable D = Not Durable E= Very Not Durable
(Request chemical resistance table for different chemicals.)

THERMAL RESISTANCE

Temperature	Resistance Duration	
Until +45 ^{0}C	Continual	(Moisture mostly %80)
Until +80 ^{0}C	7 Days	(Moisture mostly %80)
Until +100 ^{0}C	8 Hours	(Moisture mostly %80)

Warning: It can withstand temperatures between +80 ^{0}C and +100 ^{0}C for short periods of time and when the ambient temperature is at least +15 ^{0}C and without simultaneous physical or chemical effects.

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application

Ambient Temperature:+10 ^{0}C and +30 ^{0}C
Surface Temperature: +10 ^{0}C and +30 ^{0}C
Relative Humidity: Mostly %80

Dew Point: Attention to condensation during application and drying

Please check. Use psychometer for condensation point detection, the floor temperature must not be above +3 ^{0}C above the condensation point

Avoid low temperature (below +15 ^{0}C), high humidity (above 50%) and at night when you cannot determine the dew point.

Product Preparation for Use

Mix component A with a low speed (300-400 rpm) mixer, slowly add component B during mixing and mix for 1 - 2 minutes. After the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes. If quartz sand is to be added, slowly add it to the mixture and mix for another 1-2 minutes.

SYSTEM INFORMATION

System and Consumptions

010- POLYURETHANE FLOOR COATING

Consumptions and Thickness	Consumption :	1,500-1,600 kg/m^2	1mm = 1,350 kg./m^2
	Application :	Steel toothed trowel	

Without waiting for the surface preparation, on a continuous non-porous, clean and flat surface with impregnation (primer application) completed in accordance with the coating to be made (See Alkepoks 355 Epoxy primer); Apply Alkepur 517 Self-leveling Polyurethane Coating with a steel toothed trowel at a consumption range of 1,500 - 1,600 k/m2, walk on it with the help of studded shoes and comb it with a spiked roller.

DRY PROGRAM

ALKEPUR 517 SELF-LEVELING POLYURETHANE COATING	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	30 min.	20 min.
Touch dry time (No dust)	12 hr.	8 hr.	4 hr.
Installation Dry Time (New coat application time)	48 hr.	24 hr.	12 hr.
Drying Time (Pedestrian and light forklift traffic)	3 Days	3 Days	2 Days
Curing Time (Full dry chemical resistance)	10 Days	8 Days	7 Days
The data are measurements made in a 60% relative humidity environment and are approximate.			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).

All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

PRODUCT TECHNICAL DATA SHEET

Alkepur 526

PRODUCT IDENTIFICATION	ALKEPUR 526 SELF-LEVELING FLEXIBLE POLYURETHANE COATING Polyurethane based 2-component flexible self-leveling color coating
PRODUCT SPECIFICATIONS	Solvent free. Elastic. Creates hygiene areas with its antibacterial feature. Easy to clean. High physical and chemical resistance. Non-slip and impermeable. Monolithic (continuous, one-piece) structure that protects occupational and worker health. Aesthetic looking industrial flooring material.
USAGE AREAS	Nurseries, Gyms, Libraries, areas where flexible floors are needed, can be used safely indoors and outdoors thanks to its UV-resistant protective layer.
PRODUCT CERTIFICATES	Quality management system ISO 9001 : 2015 Environmental management system ISO 14001 : 2015 Occupational health and safety system ISO 45001 :2018 CE (AT Declaration of Conformity) IDS.CE.19152.1 Brand Registry / No : Turkish Patent Institute 20145804 This product is manufactured in accordance with the EC Construction Materials Directive 305/2011.

PRODUCT INFORMATION	POLYURETHANE	
Package	A Component (Alkepur 526 Self-leveling Polyurethane Coating)	= 20 Kg Tin Bucket
	B Component (Alkepur 562 Polyurethane Topcoat Hardener)	= 5 Kg Tin Bin
	A + B Component.	= 25 kg set
Appearance/Color	A Component Resin	= Colorful, liquid
	B Component Hardener	= Yellowish, liquid
Shelf Life	Shelf life is 12 months from the date of production.	
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.	
Consistency	A Component (Alkepur 526 Self-leveling Polyurethane Coating)	= 1,45 g/cm3 (+,- 0,1)
	B Component (Alkepur 562 Polyurethane Topcoat Hardener)	= 1,05 g/cm3
	Mixture	= 1,35 g/cm3 (+,- 0,1)
	C Component (02-05mm Quartz)	= 2,65 g/cm3 (+,- 0,1)
	A+B+C Mixture	= 1,81 g/cm3 (+,- 0,1)
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer.		
Solid Matter	A Component (Alkepur 526 Self-leveling Polyurethane Coating)	= % 97
	B Component (Alkepur 562 Polyurethane Topcoat Hardener)	= % 98

Physical Strenght

Rigidity	~60 DIN 53505 (7 Days +23 °C / %50 Relative Humidity)	- DIN 53 505
Compression Resistance	~45 N/mm²	- EN 196-1
Abrasion	~40 mg (CS 10/100/1000) 7 gun /+23 °C	- DIN 53 109
Pull Off	~1,5 N/mm² (Rupture in Concrete)	- ISO 4624
Tensile Force in Bending	~60 N/mm² (02-05mm Quartz %10 - 28 Days)	- EN. 196-1

Chemical Strenght

Chemicals	Result	
Sulfuric Acid	A	(%20 Concentration)
Nitric Acid	B	(%5 Concentration)
Methylene Chloride (DCM)	C	-
Hydrochloric Acid	B	(%5 Concentration)
Acetic Acid	A	(%5 Concentration)
Acetone	E	-
Ammonia	B	(%40 Concentration)
Hydrazine Hydrate	C	-

A= Very Durable B= Durable C= Slightly Durable D = Not Durable E= Very Not Durable
(Request chemical resistance table for different chemicals.)

THERMAL RESISTANCE

Temperature	Resistance Duration	
Until +45 °C	Continual	(Moisture mostly %60)
Until +80 °C	7 Days	(Moisture mostly %60)
Until +100 °C	8 Hours	(Moisture mostly %60)

Warning: It can withstand temperatures between +80 °C and +100 °C for short periods of time and when the ambient temperature is at least +15 °C and without simultaneous physical or chemical effects.

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

Reinforced concrete surface Alkepoks 355 Resin impregnation (primer) process should be applied by fulfilling the system conditions, and a continuous, non-porous, smooth and clean surface should be provided. See (Alkepoks 355 Epoxy Primer Resin)

Ambient humidity and temperature during application

Ambient Temperature:+10 ^{0}C and +30 ^{0}C
Surface Temperature: +10 ^{0}C and +30 ^{0}C
Relative Humidity: Mostly %60

Dew Point: Attention to condensation during application and drying

Please check. Use psychometer for condensation point detection, the floor temperature must not be above +3 ^{0}C above the condensation point

Avoid low temperature (below +15 ^{0}C), high humidity (above 50%) and at night when you cannot determine the dew point.

Product Preparation for Use

Mix component A with a low speed (300-400 rpm) mixer, slowly add component B during mixing and mix for 1 - 2 minutes. After the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes. If quartz sand is to be added, slowly add it to the mixture and mix for another 1-2 minutes.

SYSTEM INFORMATION

System and Consumption

010- POLYURETHANE FLOOR COATING

Consumptions and Thickness	Consumption :	1,500-1,600 kg/m^2	1mm = 1,350 kg./m^2
	Application :	Steel toothed trowel	

Without waiting for the surface preparation, on a continuous non-porous, clean and flat surface with impregnation (primer application) completed in accordance with the coating to be made (See Alkepoks 355 Epoxy primer);
Apply Alkepur 526 Self-leveling Polyurethane Coating with a steel toothed trowel at a consumption range of 1,500 - 1,600 k/m2 and comb it with a spiked shoe and comb it with a spiked roller.

DRY PROGRAM

ALKEPUR 526 SELF-LEVELING FLEXIBLE POLYURETHANE COATING	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	30 min.	20 min.
Touch dry time (No dust)	12 hr.	8 hr.	5 hr.
Installation Dry Time (New coat application time)	48 hr.	24 hr.	14 hr.
Drying Time (Pedestrian and light forklift traffic)	3 Days	4 Days	3 Days
Curing Time (Full dry chemical resistance)	10 Days	8 Days	7 Days
The data are measurements made in a 60% relative humidity environment and are approximate.			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).
All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

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PRODUCT TECHNICAL DATA SHEET

Alkepur 588

PRODUCT IDENTIFICATION	ALKEPUR 588 ALIPHATIC POLYURETHANE TOPCOAT PAINT Polyurethane based 2 Component Aliphatic Polyurethane Topcoat
PRODUCT SPECIFICATIONS	High corrosion resistance. Excellent hiding power. Provides superior UV resistance. Provides smooth surfaces. Easy to apply.
USAGE AREAS	It can be safely used on all steel surfaces with appropriate surface preparation and primer application (e.g. Sa $2^{1/2}$ ISO 850-1:1988) and on Epoxy and Polyurethane floor coating systems where UV resistance is required, as a topcoat on Road-Line and Traffic Guidance signs.
PRODUCT INFORMATION	Aliphatic Polyurethane
Package	A Component (Alkepur 588 Aliphatic Polyurethane Topcoat Paint) = 24,9 Kg Tin Bucket (17,14 Litre)
	B Component (Alkepur 588 Aliphatic Polyurethane Hardener) = 3,14 Kg Tin Bin (2,86 Litre)
	A + B Component. = 28,04 kg/set
Appearance/Color	A Component Resin = Colorful, liquid
	B Component Hardener = Brownish, liquid
Shelf Life	Shelf life is 12 months from the date of production.
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.
Consistency	A Component (Alkepur 526 Self-leveling Polyurethane Coating) = 1,43 g/cm3 (+,- 0,1)
	B Component (Alkepur 562 Polyurethane Topcoat Hardener) = 1,05 g/cm3
	Karışım = 1,47 g/cm3 (+,- 0,1)
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).	
Solid Matter	A + B Component (Alkepur 588 Aliphatic Polyurethane Topcoat Paint)) = % 72 (+,- 0,3)

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

Steel surfaces should be properly surface prepared (e.g. Sa 21/2 ISO 850-1:1988) or SSPC-SP6 abrasive blasting or SSPC-SP11 mechanical blasting) and putty and primed.

In order to provide UV resistance to epoxy surfaces, the surface to be painted should be dry and clean and cleaned with thinner if necessary.

Ambient humidity and temperature during application

Ambient Temperature:+10 ^{0}C and +25 ^{0}C
Surface Temperature: +10 ^{0}C and +25 ^{0}C
Relative Humidity: Mostly %60

Product Preparation for Use

Mix Component A with a low speed (300-400 rpm) mixer, slowly add Component B while mixing and mix for 1 to 2 minutes. Once the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes.

SYSTEM INFORMATION

System and Consumptions

12- POLYURETHANE ROAD-LINE and TRAFFIC DIRECTION SIGNS and all applications

Consumptions and Thickness	Consumption :	0,150-0,300 kg/m^2 (0,100-0,200 mm/m$^{2)}$
	Application :	Roller or pneumatic gun

DRY PROGRAM

ALKEPUR 588 ALIPHATIC POLYURETHANE TOPCOAT PAINT	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	45 min.	30 min.
Touch dry time (No dust)	5 hr.	2 hr.	1 hr.
Installation Dry Time (New coat application time)	24 hr.	10 hr.	4 hr.
Drying Time (Pedestrian and light forklift traffic)	24 hr.	10 hr.	6 Days
The data are measurements made in a 60% relative humidity environment and are approximate.			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).

All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

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Alkepur 576

PRODUCT IDENTIFICATION	ALKEPUR 576 POLYURETHANE PROTECTIVE VARNISH 2 Component Waterborne Polyurethane protective varnish.
PRODUCT SPECIFICATIONS	Water based. Penetration feature is very high. High UV resistance. Does not yellow. Does not cause unpleasant odor. VOC values are low. Semi- matte and Matte
USAGE AREAS	It can be safely used as a protective coat in all epoxy and polyurethane coatings.
PRODUCT INFORMATION	Polyurethane (Water-based)
Package	A Component (Alkepur 576 Polyurethane protective varnish) = 24 kg Tin Bucket
	B Component (Alkepur 576 Polyurethane varnish hardener) = 6 kg Tin Bin
	A + B Component. = 30 kg kg/set
Appearance/Color	A Component Resin = White, liquid
	B Component Hardener = Blondish, liquid
Shelf Life	Shelf life is 12 months from the date of production.
Storage	The product should be stored in its original, unopened and undamaged packaging, in a dry and sunless environment between +5 °C and +30 °C.
Consistency	A Component (Alkepur 526 Self-leveling Polyurethane Coating) = 1,05 g/cm3 (+,- 0,1)
	B Component (Alkepur 562 Polyurethane Topcoat Hardener) = 1,13 g/cm3
	Mixture (When diluted with water %5) = 1,07 g/cm3 (+,- 0,1)
All values are made in accordance with DIN EN ISO. 2811-1 standards (23 ° C ' 100 ml Pyknometer).	
VOC Content	Ready to use < 0,14 kg/l

PRODUCT TECHNICAL DATA SHEET

APPLICATION TERMS and SYSTEM INFORMATION

Application Terms

The epoxy surface to be applied should be dry and clean and cleaned with thinner if necessary.

Ambient humidity and temperature during application

Ambient Temperature:+10 ^{0}C and +30 ^{0}C
Surface Temperature: +10 ^{0}C and +30 ^{0}C
Relative Humidity: Mostly %75

Product Preparation for Use

Mix Component A with a low speed (300-400 rpm) mixer, slowly add Component B while mixing and mix for 1 to 2 minutes. Once the mixture is complete, transfer it to another clean container and mix again for 1-2 minutes.

SYSTEM INFORMATION

System and Consumptions

All Epoxy and Polyurethane systems

Consumptions and Thickness	Consumption:	0,080-0,150 kg/m^2 (0,070-0,140 mm/m$^{2)}$
	Application :	Roller or microfiber cloth.

DRY PROGRAM

ALKEPUR 576 POLYURETHANE PROTECTIVE VARNISH	+10 °C	+20 °C	+30 °C
Container Time (Product usage time)	60 min.	45 min.	30 min.
Touch dry time (No dust)	12 hr.	8 hr.	6 hr.
Installation Dry Time (New coat application time)	24 hr.	16 hr.	8 hr.
Curing Time (Full dry chemical resistance)	72 hr.	48 hr.	24 hr.
The data are measurements made in a 75% relative humidity environment and are approximate			

CLEANING OF EQUIPMENTS

All equipment used during application should be cleaned with thinner immediately after use. The hardened material must only be removed by mechanical means (do not burn, do not use highly abrasive chemicals).

All residual materials and empty containers must be disposed of in accordance with national regulations and legislation.

DATA BASIS

The information given in this product data sheet has been obtained under laboratory conditions or by knowledge, observation and experience. Conditions that we cannot control during implementation may change the data results. For this reason, this information provided in good faith as advice is not legally binding.

C- AUXILIARY PRODUCTS and ADDITIVES

094 ALKASİL 094 STABILIZER

Additive material that facilitates the production of skirting boards and putties with its consistency increasing feature in all epoxy and polyurethane floor coating systems.

Alkasil 022 Quartz 01-03mm

Filling sand for epoxy floor coatings with high resistance to abrasion and chemicals, washed, completely purified from clay and soil, graded in granulometry 01-03mm.

Package : 25 kg Kraft Torma

Alkasil 027 Quartz 02-05mm

Sprinkling and mortar sand for epoxy floor coatings, highly resistant to abrasion and chemicals, washed, completely free of clay and soil, graded as 02-05 mm.

Package: 25 kg Kraft Torma

Alkasil 085 Colorful Quartz 06-09mm

Epoxy Terrazzo floor coatings with high resistance to abrasion and chemicals, washed, completely free of clay and soil, graded to be 04-08 mm granulometry, spreading and mortar sand.

(Desired color selections from the RAL K7 catalogue can be supplied.)
Package: 25 kg Kraft Torma

Alkasil 094 Carborundum 07-2mm

Highly resistant to abrasion and chemicals, Washed, Completely free of clay and soil, Graded as 07-2mm, Epoxy sand rough floor coverings with very high abrasion resistance for carbon compound.

Package: 25 kg Kraft Torma

ALKEBA®

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