

System solutions

CONSTRUCTION CATALOGUE

GROUP KANSAI HELIOS IN NUMBERS

560 mio €

in sales

145.000 m²

production areas

2.320

employees

200 +

employees in R&D

Delivering to more than

50.000

customers in more than
89 countries worldwide

24

companies in 16
European countries

100 years

of tradition

DEAR USERS,

we are pleased to present a new catalogue, which was carefully prepared and adapted to cover areas of project work and construction industry. The catalog contains a selection of frequent system solutions that we have designed from a wide range of KANSAI HELIOS Group products. You can find products that are result of knowledge in the coating industry, which has been developed in KANSAI HELIOS Group for more than 100 years. Today in Helios, more than 2.320 people make sure that you, our customers around the world, are satisfied with both the products and our solutions and support.

KANSAI HELIOS is one of the largest coating groups in the European market, so we can offer our customers numerous customized products and solutions. The complete offer includes segments of decorative, wood, metal, car refinishing and road coatings, as well as products for the chemical industry and synthetic resins. In 2017 HELIOS Group became a member of the global coatings group Kansai Paint. As part of one of the world's leading paint and coating manufacturers, KANSAI HELIOS is becoming a European center for innovation, research and development, production and distribution. In addition to this, we are introducing principles of sustainable development and care for the environment in all areas of our development and operation. This means that we are also developing new products and solutions in order to reduce our consumption of resources and carbon footprint. All companies in KANSAI HELIOS Group operate in accordance with the highest environmental, industrial and safety standards.

Dear users, we invite you to look through our catalogue and contact our experts, who will offer you the most appropriate solutions for your project with their useful advice and experience. Our successful cooperation and your ultimate satisfaction is what we all strive for in Helios and what will make us truly proud.

Sincerely,
KANSAI HELIOS Team

FLOOR SURFACES

3.1	Industrial flooring (EP, PU, PAS)	85
3.2	Microcement systems	95
3.3	Parquet systems	101
	Technical information	112
3.4	Oils for parquet	115
3.5	Oils for terrace	115
3.6	Adhesives for floor coverings	119



3. FLOOR SURFACES

Industrial flooring, parquet lacquers and oils, adhesives for floor coverings

3.1. INDUSTRIAL FLOORING (EP, PU, PAS)

QUALITY LEVEL	SYSTEM / PROPERTIES	PRIMER	SELF-LEVELLING WEARING LAYER	BROADCAST	TOP COAT
PREMIUM HIGH MECHANICAL PROTECTION (HD): Frequent passing of heavy forklifts and vehicles with hard wheels.	<ul style="list-style-type: none"> HD2- PU Anti-slip or smooth surface, thickness: 2.0–3.0 mm; warehouses, industrial floors, UV resistant. 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101 0.3–0.5 kg/m² FLOOR EXPERT EP 1013 0.3–0.5 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT PU 211 HE ~ 2 kg/m² 	<ul style="list-style-type: none"> Option to achieve an anti-slip surface (R11): FLOOR EXPERT QUARTZ 0,3–0,9 ~5.0 kg/m² 	<ul style="list-style-type: none"> *FLOOR EXPERT PAS 311 HE 2 layers, total consumption: 0.4–0.8 kg/m² or *FLOOR EXPERT PU 310 2 layers, total consumption: 0.25 – 0.5 kg/m²
	<ul style="list-style-type: none"> HD2 – EP Anti-slip surface, thickness ~4.0 mm; warehouses, production facilities with wet processes etc. 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101 0.3–0.5 kg/m² FLOOR EXPERT EP 1013 0.3–0.5 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT EP 211M filled with FLOOR EXPERT QUARTZ 0,1–0,5 (mix ratio 1:0,5) consumption of the mixture 3.62 kg/m² 	<ul style="list-style-type: none"> Anti-slip surface, R11 FLOOR EXPERT QUARTZ 0,3 – 0,9 ~5.0 kg/m² or Anti-slip surface, R12 FLOOR EXPERT QUARTZ 0,6 – 1,2 ~5.0 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT EP 311 0.8–1.0 kg/m²
	<ul style="list-style-type: none"> HD2 – OS8 Certified garage system Anti-slip surface, thickness ~2.5 mm; indoor garage floors (ground level), production facilities with wet processes etc. 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101 filled with FLOOR EXPERT QUARTZ 0,1–0,3 (mix ratio 1:1) Consumption of the mixture: 1.5–1.6 kg/m² 		<ul style="list-style-type: none"> FLOOR EXPERT QUARTZ 0,6–1,2 ~5.0 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT EP 311 1.0–1.2 kg/m²
STANDARD MEDIUM MECHANICAL PROTECTION (MD) frequent passing of light forklifts, vehicles with soft wheels and pedestrians.	<ul style="list-style-type: none"> MD1 Smooth surface, thickness 1.0–1.5 mm (glossy or matte appearance) 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101 0.3–0.5 kg/m² FLOOR EXPERT EP 1013 0.3–0.5 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT EP 211 1.58–2.0 kg/m² 		<ul style="list-style-type: none"> Option to achieve better surface protection and matte or semi gloss appearance. *FLOOR EXPERT PU 400W matte 0.1 kg/m² *FLOOR EXPERT PU 300W matte/ semi-gloss 0.1 kg/m²
	<ul style="list-style-type: none"> MD2 Smooth surface, thickness 1.0–1.5 mm (glossy or matte appearance) 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101 0.3–0.5 kg/m² FLOOR EXPERT EP 1013 0.3–0.5 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT EP 311 1.47–2.0 kg/m² 		<ul style="list-style-type: none"> Option to achieve better surface protection and matte or semi gloss appearance. *FLOOR EXPERT PU 400W matte 0.1 kg/m² *FLOOR EXPERT PU 300W matte/ semi-gloss 0.1 kg/m²
ECONOMICAL LOWER MECHANICAL LOADS (LD) light traffic of vehicles with soft wheels and pedestrians.	<ul style="list-style-type: none"> LD2 – PU Highly absorbent substrates, UV resistant. 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101 0.3–0.5 kg/m² 		<ul style="list-style-type: none"> Option for anti-slip (R10/R11): FLOOR EXPERT QUARTZ 0,1– 0,5 1.0–1.5 kg/m² or FLOOR EXPERT QUARTZ 0,3–0,9 1.0-1.5 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT PU 310 2 layers, total consumption: 0.25–0.5 kg/m²
	<ul style="list-style-type: none"> LD3 – PAS Asphalt, bitumen and other elastic substrates, UV resistant. 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101E 0.3–0.5 kg/m² 		<ul style="list-style-type: none"> Option for anti-slip (R10/R11): FLOOR EXPERT QUARTZ 0,1– 0,5 1.0–1.5 kg/m² or FLOOR EXPERT QUARTZ 0,3–0,9 1.0-1.5 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT PAS 311 HE 2 layers, total consumption: 0.6–0.8 kg/m²
	<ul style="list-style-type: none"> LD1 – EPW Substrates of medium absorbency exposed to lower mechanical loads. 	<ul style="list-style-type: none"> FLOOR EXPERT EP 310 W 0.2–0.3 kg/m² 			<ul style="list-style-type: none"> FLOOR EXPERT EP 310 W 1–2 layers, total consumption: 0.4–0.6 kg/m²
AUXILIARY PRODUCTS	<ul style="list-style-type: none"> LD2 – EPW Highly absorbent surfaces exposed to frequent traffic. 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101 0.3–0.5 kg/m² FLOOR EXPERT EP 1013 0.3–0.5 kg/m² 		<ul style="list-style-type: none"> Option for anti-slip (R10/R11): FLOOR EXPERT QUARTZ 0,1– 0,5 1.0–1.5 kg/m² or FLOOR EXPERT QUARTZ 0,3–0,9 1.0-1.5 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT EP 310 W 2 layers, total consumption: 0.4 –0.6 kg/m²
	<ul style="list-style-type: none"> LD3 – EP Substrates exposed to stronger mechanical and chemical loads. 	<ul style="list-style-type: none"> FLOOR EXPERT EP 101 0.3–0.5 kg/m² FLOOR EXPERT EP 1013 0.3–0.5 kg/m² 		<ul style="list-style-type: none"> Option for anti-slip (R10/R11): FLOOR EXPERT QUARTZ 0,1– 0,5 1.0–1.5 kg/m² or FLOOR EXPERT QUARTZ 0,3–0,9 1.0-1.5 kg/m² 	<ul style="list-style-type: none"> FLOOR EXPERT EP 311 2 layers, total consumption: 0.4 – 0.8 kg/m²
			<ul style="list-style-type: none"> FLOOR EXPERT T/A THICKENER 	<ul style="list-style-type: none"> FLOOR EXPERT QUARTZ FLOOR EXPERT COLOURFLAKES 	<ul style="list-style-type: none"> FLOOR EXPERT EP CLEAR TOP FLOOR EXPERT CLEANER NEOSTIK PU SEALANT BOND&SEAL

Primer

FLOOR EXPERT EP 101

Two-component primer based on epoxy resin, solvent-free



- penetrates deeply into the substrate
- blocks moisture in the substrate, up to 4%
- excellent surface adhesion
- easy application

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	primer for concrete floors and cement surfaces with moderate to strong absorption. Binder for epoxy mortars with quartz sand.
CONSUMPTION:	Example: 0.30 – 0.50 kg/m ² Epoxy mortar up to 1 mm thick (Floor Expert EP 101: quartz sand – 1: 0.5): 1.2 – 1.4 kg/m ² / 1 mm coat Epoxy mortar up to 2 mm thick (Floor Expert EP 101: quartz sand – 1: 1): 1.6 kg/m ² / 1 mm coat Epoxy screed 15 – 20 mm (Floor Expert EP 101: quartz sand – 1: 10): 2.4 kg/m ² / 1 mm coat
MIXING RATIO:	By weight: component A : component B 66.9 : 33.1
PACKAGING UNITS:	25 kg (A+B) 10 kg (A+B)

FLOOR EXPERT EP 101E

2K elastic primer based on flexible epoxy resin, solvent-free



- elastic, bridges static cracks in substrate
- blocks the moisture in the substrate up to 4%
- high bond strength to the substrate
- resistant to mechanical load

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	primer for asphalt, tarmac, and other elastic substrates. Also used as binder for levelling mortars and mortar screeds.
CONSUMPTION:	Primer: 0.30–0.60 kg/m ² Mortar screed thickness up to 1 mm: 1.45 kg/m ² (FLOOR EXPERT EP 101E: Quartz sand - 1:0.5) for 1 mm layer Mortar screed thickness of 2 mm: 1.63 kg/m ² (FLOOR EXPERT EP 101E: Quartz sand - 1:1) for 1 mm layer Mortar screed/ Repair mortar, 15–20 mm layer thickness 2.2 kg/m ² (FLOOR EXPERT) EP 101E: Quartz sand - 1:8) for 1 mm layer
MIXING RATIO:	By weight: component A : component B 80 : 20
PACKAGING UNITS:	20 kg (A+B)

FLOOR EXPERT EP 1013

Two-component economic primer based on epoxy resin, solvent-free



- penetrates deeply into the substrate
- blocks moisture in the substrate, up to 4%
- excellent surface adhesion
- easy application

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	primer for concrete floors and cement surfaces with moderate to strong absorption. Binder for epoxy mortars with quartz sand.
CONSUMPTION:	Example: 0.30 – 0.50 kg/m ² Epoxy mortar up to 1 mm thick (Floor Expert EP 1013: quartz sand – 1: 0.5): 1.7 kg/m ² / 1 mm coat Epoxy mortar up to 2 mm thick (Floor Expert EP 1013: quartz sand – 1: 1): 1.9 kg/m ² / 1 mm coat Leveling compound, layer thickness 15 – 20 mm (Floor Expert EP 1013: quartz sand – 1: 8): 2.2 kg/m ² / 1 mm coat
MIXING RATIO:	By weight: component A: component B 76.9 : 23.1
PACKAGING UNITS:	20 kg (A+B)

Self-levelling wearing layer

FLOOR EXPERT PU 211HE

Two-component hard elastic self-levelling floor coating based on polyurethane resin, solvent-free



- flexible, hard-elastic
- resistant to wear
- good mechanical resistance
- fulfils high hygiene standards
- possible to obtain an anti-slip surface

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	used as self-levelling wearing layer in PU Floor Expert systems for the protection and decoration of concrete floors and cement glazes that are exposed to medium to strong mechanical and chemical wear. Suitable for use in industrial plants, garages and public buildings such as hospitals, schools, commercial premises, etc.
CONSUMPTION:	1.35 kg/m ² / 1 mm coat thickness
MIXING RATIO:	By weight: component A : component B 81.3 : 18.7
PACKAGING UNITS:	25 kg (A+B)
COLOUR SHADES:	RAL colour chart

FLOOR EXPERT EP 211

Two-component pigmented self-levelling floor coating based on epoxy resin, solvent-free



- exceptional resistance to abrasion, water and chemicals
- quartz sand can be added (economical thick-layer protection)
- functional layer in the system with an anti-slip surface

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	self-levelling floor coating for the protection and decoration of concrete floor surfaces and cement surfaces exposed to medium to high mechanical and chemical loads (warehouses, workshops, production facilities, garages, laboratories, loading ramps, etc.). Possibility of obtaining an anti-slip floor surfaces in garages and production facilities with so-called "wet processes".
CONSUMPTION:	Approx. 2.0 kg /m ² of mixture for a thickness of 1 mm (1.3 kg of resins mixture (A+B); 0.7 kg quartz sand) Floor Expert quartz 0.1-0.5
MIXING RATIO:	By weight: component A: component B 83.3 : 16.7
PACKAGING UNITS:	25 kg (A+B)
COLOUR SHADES:	RAL colour chart

FLOOR EXPERT EP 211M

Two-component self-levelling flooring screed based on epoxy resins, solvent-free



- exceptional mechanical resistance;
- can be filled with silica sand (economical protection in thicker layers);
- a functional layer in systems with an anti-slip surface

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	hardening and leveling of concrete surfaces end cement glazes that are exposed to medium to strong mechanical and chemical treatments (warehouses, workshops, production facilities, garages, laboratories, loading ramps, etc.) and as a bearing layer in the broadcasted screed system with slip resistant floor surface in garages and production facilities with the so-called "wet processes".
CONSUMPTION:	Self-levelling floor screed of 1.0 mm thickness: 1.56 kg /m ² Self-levelling floor screed up to 2.0 mm thickness (Floor Expert EP 211M (A+B); FLOOR EXPERT QUARTZ 0.1 – 0.5/1:0.5): 1.81 kg /m ² for 1 mm thickness
MIXING RATIO:	By weight: component A: component B 83.3: 16.7
PACKAGING UNITS:	25 kg (A+B)

Top coat

FLOOR EXPERT PAS 311 HE

2K hard-elastic pigmented topcoat based on polyaspartic resin, solvent-free, resistant to UV radiation



- resistant to wear and resistant to the action of water and chemicals (see the resistance table)
- solvent-free
- short hardening time (the floor is ready for foot traffic after approx. 1 hour)
- UV stable
- can be applied directly to concrete
- compatible with different substrates (PU, EP, ++)
- excellent mechanical resistance

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	finishing layer on Floor expert EP and PU flooring systems exposed to external conditions. Pigmented topcoat in industry facilities, laboratories, showrooms, warehouses, garages, etc.
CONSUMPTION:	Application by roller in two layers on a smooth surface: 0.4 – 0.6 kg/m ²
MIXING RATIO:	Comp. A: Comp. B – 74 : 26
PACKAGING UNITS:	18 kg (A+B) 6 kg (A+B)
COLOUR SHADES:	RAL colour chart

FLOOR EXPERT PU 310

Two-component hard-elastic acrylic-polyurethane solvent-based topcoat



- resistant to wear and to external weather conditions
- excellent adhesion to the substrate
- easy to clean and maintain by washing
- possibility of application on flexible substrates

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	as the top coat on EP and PU Floor expert systems for the protection and decoration of interior and exterior concrete floor surfaces.
CONSUMPTION:	0.15 – 0.4 kg /m ² per coat
MIXING RATIO:	By weight: component A : component B 84 : 16
PACKAGING UNITS:	6 kg (A+B) 18 kg (A +B)
COLOUR SHADES:	RAL colour chart

FLOOR EXPERT EP 310W

Two-component waterborne epoxy coating



- water-dilutable
- dry film is resistant to abrasion and resistant to the effects of water and chemicals (see chemical resistance list)
- excellent adhesion to the substrate
- easy to clean and maintain by washing
- has a short curing time
- creates a barrier to CO₂

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	top coat for the protection and decoration of concrete floor surfaces exposed to low or medium mechanical and chemical loads (warehouses, production facilities, garages, laboratories, etc.). Protection of wall surfaces, exposed to moisture, chemical and stronger mechanical loads. Used for the protection and decoration of walls and floors covered with ceramic tiles.
CONSUMPTION:	0.2 – 0.3 kg/m ² per layer
MIXING RATIO:	By weight: component A : component B 76.9 : 23.1
PACKAGING UNITS:	18 kg (A+B) 6 kg (A+B)
COLOUR SHADES:	RAL colour chart

FLOOR EXPERT EP 311

Two-component pigmented topcoat based on epoxy resin, solvent-free



- resistant to abrasion, water and chemicals
- excellent surface adhesion
- fast curing
- can be used in thicker layers and is mixed with quartz sand

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	pigmented topcoat that is applied by roller or trowel for protection and decoration of concrete floor surfaces exposed to moderate to medium heavy mechanical and chemical wear (warehouses, workshops, production facilities, garages, laboratories, exhibition and sales rooms, etc.); Seal coat in slip resistant systems: garages, manufacturing facilities with so-called "wet processes".
CONSUMPTION:	Roller application: 0.2 – 0.3 kg/m ² in one layer Smooth layer 1 mm thick, applied by trowel: 1.47 kg/m ²
MIXING RATIO:	By weight: component A : component B 80.6 : 19.4
PACKAGING UNITS:	25 kg (A+B)
COLOUR SHADES:	RAL colour chart

FLOOR EXPERT PU 300W

Two-component waterborne matt transparent topcoat based on polyurethane resin



- matt appearance
- resistance to water and chemicals
- increased scratch resistance
- easy maintenance

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	transparent topcoat on EP and PU floor coatings for achieving matt surface appearance and as an extra protection for the floor covering with decorative colored flakes.
CONSUMPTION:	0.08 – 0.12 l/m ² in one coat
MIXING RATIO:	By weight: component A : component B 90.9 : 9.1
PACKAGING UNITS:	5 kg (A+B) / 15 kg (A+B)

FLOOR EXPERT PU 400W

Two-component waterborne matt transparent topcoat based on polyurethane resin



- matt surface appearance
- resistant to tire marks
- increased hardness, wear, and scratch resistance
- very low odour
- easy maintenance of the floor

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	transparent seal coat on EP and PU floor coatings for achieving matt surface appearance and as an extra protection for the floor covering with decorative coloured flakes.
CONSUMPTION:	0.08 – 0.12 kg/m ² per layer
MIXING RATIO:	By weight: component A : component B 84.75 : 15.25
PACKAGING UNITS:	5 kg (A+B) 2 kg (A+B)

Complementary products

FLOOR EXPERT THICKENER

Powdery material based on PE fibers



- easy mixing into the materials based on reactive resins
- resistant to light, weathering, and alkalis
- prevents sagging of the material applied on vertical and slanted surfaces
- enables a structured surface appearance (an anti-slip effect).
- adjusts consistency of the epoxy mortars for trowel application

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	adjusting the consistency (thickening) of floor Floor Expert products based on organic resins.
CONSUMPTION:	1–10% per product (A+B), depending on the desired thickening effect
PACKAGING UNITS:	1 kg / 10 kg

FLOOR EXPERT QUARTZ

Quartz sand



- dried quartz sand (moisture content: < 0,1 %)
- round grain shape
- high purity
- uniform bright color

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	it is used for filling epoxy resin mortars and broadcasting in flooring systems based on epoxy and polyurethane resins.
CONSUMPTION:	Broadcasted on the primer in the thin layer coatings system to improve the adhesion of the next layer and / or to achieve the anti-slip surface: 0.5–1.0 kg/m ² Broadcasted on the epoxy mortar until the saturation, to increase the layer thickness, improve the mechanical properties and to achieve an anti-slip surface: 4 to 6 kg/m ² As a filler for self-levelling epoxy coatings (addition 50%): ca. 0.7 kg/m ² per 1 mm film layer thickness.
GRANULATION:	0.1–0.3 / 0.1–0.5 / 0.3–0.9 / 0.7–1.2 mm
PACKAGING UNITS:	25 kg

FLOOR EXPERT COLOUR FLAKES

Decorative flakes



- thin slices (approx. 120 microns) - a large specific surface area
- no need for protective transparent topcoat
- fire resistant
- by mixing different color flakes, various decorative effects can be obtained

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	decorative floor coatings based on epoxy, polyurethane and acrylic resins. The flakes should be sprinkled on the freshly applied coating layer to achieve an interesting multicolored effect.
CONSUMPTION:	For contrast application (20% substrate cover): 0.02–0.03 kg/m ²
PACKAGING UNITS:	0.5 kg
COLOUR SHADES:	white, light gray, dark gray, black, orange, beige, gray-blue, blue, oxide red, shiny silver, shiny gold, glow in the dark

FLOOR EXPERT EP CLEAR TOP

2K transparent epoxy resin, solvent-free



- transparent high gloss finish;
- hardening without volumetric shrinkage
- high mechanical resistance
- a wide range of decorative techniques (metallic flooring, photo-flooring etc.)
- excellent substrate wetting and flowing properties

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	transparent top-coat as a decorative finish in flooring systems for obtaining different decorative effects and surface-strengthening of the system.
CONSUMPTION:	As a transparent layer applied with a roller: 0.4–0.6 kg/m ² Application with a trowel: 1.10 kg/m ² for 1 mm thickness
MIXING RATIO:	By weight: component A: component B 66.7 : 33.3
PACKAGING UNITS:	10 kg (A+B)

FLOOR EXPERT CLEANER

Cleaning agent for tools and thinner



- cleaning of the unhardened residues of Floor Expert products from application tools and machines
- dilution of Floor Expert products to adjust the viscosity for the application

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	solvent mixture for cleaning tools, containers and contaminated surfaces after application of Floor Expert products and thinning of Floor Expert products based on reactive resins to adjust the application density.
CONSUMPTION:	depends on usage
PACKAGING UNITS:	4 l

NEOSTIK PU SEALANT BOND&SEAL

Polyurethane adhesive sealant for elastic joints and the adhesion of various materials



- thixotropic
- can be painted
- UV+
- durability
- elasticity
- high chemical resistance



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	various seals, concrete/concrete, construction, industrial floors, construction. Adhesion/sealing of: aluminium, steel, copper, PVC, concrete, brick, wood, ceramics, metal, styrofoam and some types of plastics.
PACKAGING UNITS:	300 ml ALU cartridge (white, grey) 600 ml (grey)
COLOUR SHADES:	white, grey

3.2 MICROCEMENT SYSTEMS

USE	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
WALL SYSTEM	 • MicroTopp grund 1 layer	 • MicroTopp BC 1 layer	 • MicroTopp FC 1 layer	 • MicroTopp PU 300 W 3 layers	
FLOOR SYSTEM (MD-LD)	 • MicroTopp grund 1 layer	 • MicroTopp BC 2 layer	 • MicroTopp FC 1 layer	 • MicroTopp PU 300 W 2 layers	 • MicroTopp PU 400 W 1 layer
FLOOR SYSTEM (HD)	 • Floor Expert EP 101 + quartz sand 1 layer	 • MicroTopp BC 2 layer	 • MicroTopp FC 1 layer	 • MicroTopp PU 300 W 2 layers	 • MicroTopp PU 400 W 1 layer
WET ROOMS SYSTEM	 • MicroTopp grund 1 layer	 • MicroTopp BC 2 layer	 • MicroTopp FC 1 layer	 • MicroTopp PU 300 W 2 layers	 • MicroTopp PU 400 W 1 layer
AUXILIARY PRODUCTS	• reinforcing facade mesh				

Step 1

MicroTopp grund

Primer based on synthetic resin and mineral fillers



- excellent adhesion on porous and vitreous substrates
- prevents loss of water into the substrate
- increases durability
- ready to use
- easy to use



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	particularly for use as primer for MicroTopp decorative masses. On mineral substrates, cementitious coatings and old ceramic tiles.
APPLICATION TEMPERATURE:	From +5 °C to +30 °C
CONSUMPTION:	Approx. 0,2–0,3 kg/m ² depends on the porosity and absorption of the surface
PACKAGING UNITS:	5 kg, 20 kg

FLOOR EXPERT EP 101

Two-component primer based on epoxy resin, solvent-free



- penetrates deep under the surface
- blocks moisture in the surface, up to 4%
- excellent surface adhesion
- easy application

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	primer for concrete floors and cement surfaces with moderate to strong absorption. Binder for epoxy mortars with quartz sand.
CONSUMPTION:	Example: 0.30 – 0.50 kg/m ² Epoxy mortar up to 1 mm thick (Floor Expert EP 101: quartz sand – 1: 0.5): 1.2 – 1.4 kg/m ² / 1 mm coat. Epoxy mortar up to 2 mm thick (Floor Expert EP 101: quartz sand – 1: 1): 1.6 kg/m ² / 1 mm coat. Leveling compound layer thickness 15 – 20 mm (Floor Expert EP 101: quartz sand – 1: 10): 2.4 kg/m ² / 1 mm coat.
MIXING RATIO:	By weight: component A : component B 66.9 : 33.1
PACKAGING UNITS:	25 kg (A+B) 10 kg (A+B)

FLOOR EXPERT QUARTZ

Quartz sand

- excellent for increasing load capacity
- compatible with all Floor Expert systems

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	filler and decorative additive for the manufacture of floors based on epoxy resin. Compatible with all ingredients of epoxy resin. Ideal for producing a self-leveling floor system due to the round grain in the granulation.
CONSUMPTION:	depends on the composition of the epoxy coating and the installation techniques. Can be used for mixing, sprinkling and making epoxy mortars for remedial treatment, and for filling and leveling damaged surfaces.
GRANULATION:	0.1 – 0.3 / 0.1 – 0.5 / 0.3 – 0.9 / 0.7 – 1.2 mm
PACKAGING UNITS:	25 kg

Step 2

MicroTopp BC

Microcement base coat, 2K polymercement mortar



- continuous decorative coating without fissures (always respect the expansion joints)
- applicable on any type of surfaces: concrete, cement, ceramic, plasterboard, etc.
- excellent workability
- wide range of colours
- high adhesion to substrates



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for protection of new and renovation of old floors, walls and other surfaces. For surface preparation before application of MicroTopp FC decorative cement.
APPLICATION TEMPERATURE:	From +5 °C to +30 °C
MIXING RATIO (BY WEIGHT):	Component A : Component B – 30 : 100 Pot life of the mixed mixture: approx. 5 hours
CONSUMPTION:	Approximately 1,0 kg/m ² per layer
PACKAGING UNITS:	3 kg + 10 kg (13 kg), 6 kg + 20 kg (26 kg)

Step 3

MicroTopp FC

Decorative microcement coat, 2K polymercement mortar



- continuous decorative coating without fissures always respect the expansion joints
- applicable on any type of surfaces: concrete, cement, ceramic, plasterboard, etc.
- excellent workability
- wide range of colours
- high adhesion to substrates



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for protection of new and renovation of old floors, walls and other surfaces. For surface preparation before application of MicroTopp finishing top coat.
APPLICATION TEMPERATURE:	From +5 °C to +30 °C
CONSUMPTION:	Approximately 0,6 kg/m ² per layer
MIXING RATIO (BY WEIGHT):	Component A: Component B – 30 : 100 Pot life of the mixed mixture: approx. 5 hours
PACKAGING UNITS:	1.5 kg + 5 kg (6.5 kg), 3 kg + 10 kg (13 kg)

Step 4

MicroTopp PU 300 W

2K transparent matt finishing coat on the basis of aqueous dispersion and polyurethane resin



- matt appearance
- resistance to water and chemicals
- increased scratch resistance
- easy maintenance



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	transparent coating for MicroTopp wall and floor systems to achieve a matt surface and additional protection against damage caused by mechanical and chemical influences.
CONSUMPTION:	0.08 – 0.12 l/m ² in one coat
MIXING RATIO:	In terms of weight: component A : component B 90.9 : 9.1
PACKAGING UNITS:	5 kg (A+B) / 15 kg (A+B)

Step 5

MicroTopp PU 400 W

Two-component waterborne matt transparent topcoat based on polyurethane resin



- matt surface appearance
- resistant to tire marks
- increased hardness, wear, and scratch resistance
- very low odour
- easy maintenance of the floor



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	transparent seal coat on MicroTopp flooring systems for achieving matt surface appearance and as an extra protection against damage caused by mechanical and chemical influences.
CONSUMPTION:	0.08 – 0.12 kg/m ² per layer
MIXING RATIO:	Comp. A: Comp. B – 84.75 : 15.25 (100 : 18)
PACKAGING UNITS:	5 kg (A+B) Component A: 4.24 kg Component B: 0.76 kg Coverage: 50 m ² (application in one layer on a smooth surface)
	2 kg (A+B) Component A: 1.70 kg Component B: 0.30 kg Coverage: 20 m ² (application in one layer on a smooth surface)



3.3 PARQUET SYSTEMS

QUALITY LEVEL	STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
PREMIUM	 • CHROMODEN PR 25	 • CHROMODEN E-PU 280 2K adhesive for parquets	 • CHROMODEN AQUA puttying liquid F22	 • CHROMODEN AQUA 2K BASE LZP PU-P • CHROMODEN AQUA 1K primer LZP PU-P70	 • CHROMODEN AQUA 2K LZP PU 590 (Gloss); PU 560 (semi-matt); PU 540 (matt); PU 510 (extra matt); PU 505 (invisible)
STANDARD	 • CHROMODEN PR 25	 • CHROMODEN E-PU 280 2K adhesive for parquets	 • CHROMODEN puttying liquid	 • CHROMODEN 2K PU, LZP primer • CHROMODEN IMPREGNATION	 • CHROMODEN 2K PU LZP (gloss, semi-matt, matt, extra matt)
ECONOMICAL	 • CHROMODEN PR 25	 • CHROMODEN PU 259 2K adhesive for parquets	 • IDEAL liquid for joints DS	 • IDEAL 2 K PU basic LZP DS	 • IDEAL 2K PU LZP DS (gloss, semi-matt)
SPORT HALLS		 • CHROMODEN AQUA 2K TEMELJNI LZP PU-P • CHROMODEN AQUA 1K primer LZP PU-P 70	 • CHROMODEN AQUA 2K PUR LZP for SH matt	 • Lines: HELIODUR 2K	 • CHROMODEN AQUA 2K PUR LZP FOR SH matt
AUXILIARY PRODUCTS	 • CHROMODEN thinner 14	 • CHROMODEN AQUA REPAIR	 • CHROMODEN slowing agent for PU lacquer semi-matt, gloss • CHROMODEN AQUA slowing agent	 • CHROMODEN AQUA GEL for joints G29 • CHROMODEN UNIVERSAL GEL for joints • CHROMODEN TRANSPARENT	 • IDEAL tool cleaning agent • CHROMODEN agent for cleaning tools • NEOSTIK FIX EXPRESS • NEOSTIK FIX CLASSIC

Step 1

CHROMODEN PR 25

Primer based on isocyanate



- penetrates deep under the surface
- blocks moisture in the surface, up to 3%
- excellent surface adhesion
- easy application



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the preparation of absorbent and non-absorbent surfaces prior to applying CHROMODEN two-component adhesives for parquet. It is used for anti-dust and cementitious substrate consolidation and for moisture control of cementitious substrate with moisture content up to 3% (carbide method).
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CONSUMPTION:	0.10 – 0.15 l/m ² – anti-dust consolidation 0.18 – 0.23 l/m ² – substrate consolidation 0.18 – 0.23 l/m ² – moisture control
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PACKAGING UNITS:	4 l
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SYSTEM:	CHROMODEN PR 25 CHROMODEN PU 259 or CHROMODEN E-PU 280
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Step 2

CHROMODEN E-PU 280

Two-component epoxy polyurethane adhesive based on reactive resins, fillers and additives



- does not contain water
- slower curing
- easy to remove from prefinished wood flooring
- for gluing exotic parquet and dimensionally unstable parquet such as beech and ash.
- extremely long open time – 2 hours
- for parquets 150 cm long and 7 cm wide



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the adhesion of parquet of large dimensions (boards), laminate flooring and parquet of small dimensions (lamellar parquet) on absorbent and non-absorbent surfaces, tiles from natural stone, ceramic tiles and metal.
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CONSUMPTION:	0.8 – 1.3 kg/m ²
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PACKAGING UNITS:	9 kg - component A 0.75 kg - component B
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SYSTEM:	CHROMODEN PR 25 CHROMODEN E-PU 280
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CHROMODEN PU 259

Two-component polyurethane adhesive based on reactive resins, fillers and additives



- does not contain water, solvent or amines
- longer pot life compared to standard PU adhesives
- higher temperature resistant, suitable for underfloor heating
- cures by chemical reaction regardless of the thickness of the adhesive
- for parquets 250 cm long and 14 cm wide



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the adhesion of parquet of large dimensions (boards), laminate flooring and parquet of small dimensions (lamellar parquet) on absorbent and non-absorbent surfaces, tiles from natural stone, ceramic tiles and metal.
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CONSUMPTION:	0.8 – 1.3 kg/m ²
--------------	-----------------------------

PACKAGING UNITS:	9 kg, 13 kg - component A 0.9 kg, 1.3 kg - component B
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SYSTEM:	CHROMODEN PR 25 CHROMODEN PU 259
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CHROMODEN AQUA 1K primer LQP PU-P 70

Single-component aqueous polyurethane colourless base lacquer with special additives



- preserves the natural colour of the wood
- prevents hair growth
- perfectly fills pores and smaller slits
- extremely strong
- sands very well



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	used in the parquet treatment system with CHROMODEN AQUA 1K PU and 2K PU single-component and two-component polyurethane parquet lacquers.
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CONSUMPTION:	1 l / 10 – 12 m ²
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PACKAGING UNITS:	1 l / 5 l
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CHROMODEN AQUA 2K BASE parquet lacquer

Two-component aqueous polyurethane base lacquer with special additives



- even out the colour of parquet
- minimally raises wooden hairs
- excellently fills pores and smaller joints
- quick drying (2–3h)



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	used in the parquet treatment system with CHROMODEN AQUA 1K PU and 2K PU single-component and two-component polyurethane parquet lacquers.
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CONSUMPTION:	1 l / 10 – 12 m ² / sloj (cca 0.08 - 0.1 l / m ²)
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PACKAGING UNITS:	5 + 0.5 l
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Step 3

CHROMODEN AQUA puttying liquid F22

Single-component quick-drying colourless liquid made on the basis of water-thinnable binders



- easy to apply
- dries quickly



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for rough coating and filling of slits and minor cracks in the system of surface treatment of wooden surfaces (parquet) with CHROMODEN aqueous lacquers.
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CONSUMPTION:	1 l / 8 – 15 m ²
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PACKAGING UNITS:	5 l
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CHROMODEN puttying liquid

Single-component quick-drying colourless liquid made on the basis of solvents



- contains high-quality modified binders



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for rough coating, filling of joints, minor cracks in the system of surface treatment of wooden surfaces (parquet) with polyurethane and other lacquers.
CONSUMPTION:	1 l / 10 – 15 m ²
PACKAGING UNITS:	1 l / 4 l / 10 l

IDEAL puttying liquid DS

Liquid for preparing putty for grouting parquet surfaces prior to the application of lacquer



- one-component liquid for putty preparation



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	grouting parquet surfaces before the application of IDEAL trademark lacquers.
CONSUMPTION:	1 l covers 8 – 10 m ² of surface in 1 coat
THINNING:	ready for use
PACKAGING UNITS:	5 l

CHROMODEN AQUA 2K PUR LZP FOR SH matt

Two-component aqueous polyurethane colourless matt lacquer with special additives



- extremely long-lasting
- resistant to loads



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the high-quality protection of parquet in sports halls where the aim is to achieve the effect of slight gloss and to reduce the slipperiness of the surface. Complies with DIN 18032 and EN 14904 I EN 13036-4, which means that it has all the characteristics of the sports floor, prevents uncontrolled skidding on the parquet floor with athletes' sudden movements in medium and heavy load spaces (sports halls, business premises, pharmacies, kindergartens).
CONSUMPTION:	1 l / 10 – 12 m ²
PACKAGING UNITS:	5 + 0.5 l

Step 4

CHROMODEN AQUA 2K BASE parquet lacquer

Two-component aqueous polyurethane base lacquer with special additives



- even out the colour of parquet
- minimally raises wooden hairs
- excellently fills pores and smaller joints
- quick drying (2–3h)



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	used in the parquet treatment system with CHROMODEN AQUA 1K PU and 2K PU single-component and two-component polyurethane parquet lacquers.
CONSUMPTION:	1 l / 10 – 12 m ² / sloj (cca 0.08 - 0.1 l / m ²)
PACKAGING UNITS:	5 + 0.5 l

CHROMODEN AQUA 1K primer LZP PU-P70

Single-component aqueous polyurethane colourless base lacquer with special additives



- preserves the natural colour of parquet
- prevents hair growth
- perfectly fills pores and smaller slits
- extremely strong
- sands very well



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	used in the parquet treatment system with CHROMODEN AQUA 1K PU and 2K PU single-component and two-component polyurethane parquet lacquers.
CONSUMPTION:	1 l / 10 – 12 m ²
PACKAGING UNITS:	1 l / 5 l

CHROMODEN 2K PU, primer LZP

Two-component polyurethane colourless base lacquer with special additives



- perfectly fills pores and smaller joints
- sands very well
- quick drying (2–3h)
- option to lacquer on parquet painted with CHROMODEN transparent
- does not darken the colour of joints



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	used as a base lacquer in the parquet treatment system with CHROMODEN parquet lacquers.
CONSUMPTION:	1 l / 10 m ² in one application
PACKAGING UNITS:	1 + 1 l / 4 + 4 l / 10 + 10 l

CHROMODEN IMPREGNATION

Single-component quick drying colourless impregnation based on high-quality modified resins



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	used as an insulating layer in the surface treatment system for wooden surfaces (parquet) with polyurethane and other lacquers. Maintains the natural colour of the wood and is recommended for exotic wood types and the renovation of old parquet. Do not sand.
CONSUMPTION:	1 l / 8 – 15 m ²
PACKAGING UNITS:	1 l / 4 l / 10 l

IDEAL 2K PU basic LZP DS

Priming two-component lacquer



- quick-drying
- easy sanding



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	priming lacquer when applying the IDEAL 2K polyurethane parquet lacquer DS/for high wear parquet surfaces.
THINNING:	ready for use
CONSUMPTION:	1 l covers 18 – 22 m ² of surface in 1 application with a spatula and 8 – 10 m ² with a roller
PACKAGING UNITS:	10 l lacquer, 10 l hardener mixing ratio 1 : 1

HELIODUR 2K enamel UM

Polyurethane coating for lines

- wide range of shades in the system 2K PU MIX (RAL, Monicolor)
- quick-drying
- easy to apply



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	HELIODUR enamel is used in sports halls for marking lines, coloured fields, sponsors' signs... Apply it before the final application of the finishing lacquer.
THINNING:	ready for use
APPLICATION:	roller
PACKAGING UNITS:	enamel 1 kg, hardener 0.5 kg, mixing ratio 2:1

Step 5

CHROMODEN AQUA 2K LZP PU 590 gloss

Two-component aqueous polyurethane colourless lacquer with special additives



- extremely long-lasting
- exceptional hardness
- wear-resistant



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the high-quality protection and decoration of parquet and other wooden surfaces to achieve a protective gloss lacquer in rooms with medium and high loads (halls, offices, pharmacies, kindergartens).
CONSUMPTION:	1 l / 10 – 12 m ²
PACKAGING UNITS:	5 + 0.5 l / 1 + 0.1 l

CHROMODEN AQUA 2K lacquer for parquets PU 560 semi-matt, CHROMODEN AQUA 2K lacquer for parquets PU 540 matt, CHROMODEN AQUA 2K lacquer for parquets PU 510 extra matt

Two-component aqueous polyurethane colourless lacquer with low gloss (matt/semi-matt, extra mat) with special additives



- long-lasting
- high hardness
- wear-resistant



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the high-quality protection and decoration of parquet and other wooden in spaces with medium and high loads (business premises, halls, pharmacies, kindergartens).
CONSUMPTION:	1 l / 10 – 12 m ²
PACKAGING UNITS:	5 + 0.5 l / 1 + 0.1 l

CHROMODEN AQUA 2K parquet lacquer PU 505 INVISIBLE

Two-component aqueous polyurethane colourless lacquer without gloss (deep matt - 'invisible') with special additives



- natural appearance of the wood
- "deep" matt effect
- system without a base lacquer
- durable and wear-resistant
- distinguished by its high hardness
- easy to maintain and resistant to the impact of softer chemicals



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the high-quality protection and decoration of parquet and other wood surfaces when you want to a natural wood appearance in spaces with medium and high loads (business premises, halls, pharmacies, kindergartens).
CONSUMPTION:	1 l / 10 – 12 m ² (cca 0.08 – 0.1 l / m ²)
PACKAGING UNITS:	5 + 0.5 l

CHROMODEN 2K PU, LZP

Two-component polyurethane colourless high gloss lacquer with special additives



- extremely high gloss and fullness of the film
- long-lasting and wear-resistant
- distinguished by its high hardness
- easy to maintain and resistant to the impact of softer chemicals



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the high-quality protection and decoration of parquet and other wooden surfaces to achieve a protective high gloss lacquer.
CONSUMPTION:	1 l / approx. 10 m ² in one layer.
PACKAGING UNITS:	1 + 1 l / 4 + 4 l / 10 + 10 l

CHROMODEN 2K PU, LZP semi-matt, matt

Two-component colourless polyurethane matt and semi-matt lacquer with special additives



- extremely high gloss and fullness of the film
- long-lasting and wear-resistant
- distinguished by its high hardness
- easy to maintain and resistant to the impact of softer chemicals



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the high-quality protection and decoration of parquet and other wooden surfaces to achieve a protective lacquer that is of reduced or silky gloss. For special conditions such as high temperatures, large parquet surfaces, the addition of CHROMODEN slowing agent matt/semi-matt up to 10% is recommended in the combined mixture of lacquer and hardener.
CONSUMPTION:	1 l / approx. 10 m ² in one layer.
PACKAGING UNITS:	1 + 1 l / 4 + 4 l / 10 + 10 l

IDEAL 2K PU LZP DS (gloss/semi-gloss)

Polyurethane parquet lacquer



- good mechanical and chemical resistance
- good elasticity and hardness
- easy maintenance



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	lacquering parquet in rooms where floor is exposed to normal or high wear: living rooms, wooden staircases, offices, gym rooms/for high wear parquet surfaces.
THINNING:	ready for use
CONSUMPTION:	1 l covers 8 – 10 m ² of surface in 1 coat
PACKAGING UNITS:	10 l lacquer, 10 l hardener mixing ratio 1 : 1

CHROMODEN AQUA 2K PUR LZP FOR SH matt

Two-component aqueous polyurethane colourless matt lacquer with special additives



- extremely long-lasting
- resistant to loads



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the high-quality protection of parquet in sports halls where the aim is to achieve the effect of slight gloss and to reduce the slipperiness of the surface. Complies with DIN 18032 and EN 14904 I EN 13036-4, which means that it has all the characteristics of the sports floor, prevents uncontrolled skidding on the parquet floor with athletes' sudden movements in medium and heavy load spaces (sports halls, business premises, pharmacies, kindergartens).
CONSUMPTION:	1 l / 10 – 12 m ²
PACKAGING UNITS:	5 + 0.5 l

Accessories

CHROMODEN thinner 14

Tool cleaning agent



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the use of CHROMODEN E-PU 280 and CHROMODEN PU 259 adhesives.
PACKAGING UNITS:	1 l / 4 l

CHROMODEN AQUA REPAIR

Two-component aqueous colourless lacquer with special additives for the quick renovation of old parquet



- quick renovation of old parquets lacquered with Chromoden lacquer
- without removing old layers of lacquer
- durable and wear-resistant
- distinguished by its high hardness
- applied in one to two layers



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the quick renovation of old parquet lacquered with Chromoden parquet lacquers (aqueous and solvent systems) in spaces with medium and high loads (business premises, halls, pharmacies, kindergartens).
CONSUMPTION:	1 l / 10 – 12 m ² /coat (approx. 0.08 – 0.1 l/m ²)
PACKAGING UNITS:	5 + 0.5 l

CHROMODEN AQUA slowing agent



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	as an addition to the CHROMODEN AQUA parquet lacquer, improves the spillage of the lacquer in conditions when the temperature is increased, reduced relative air humidity when lacquering larger surfaces. Add up to 5% maximum. It is not recommended to use it with CHROMODEN AQUA puttying liquid F22 and CHROMODEN AQUA gel for joints G 29.
PACKAGING UNITS:	0.25 l

CHROMODEN slowing agent for PU lacquer matt, semi-matt, gloss

Solvent-based substance as an additive for slowing drying with CHROMODEN PU matt/semi-matt and lacquers



INSTRUCTIONS FOR USE

AREA OF APPLICATION: for sports halls, when lacquering under special conditions, high temperatures, low air humidity and large parquet areas, because it improves the lacquer levelling.

PACKAGING UNITS: 1 l / 4 l

CHROMODEN AQUA GEL for joints G29

Single-component colourless aqueous gel for grouting parquet and other wooden surfaces



- fills the surface well
- dries quickly
- does not require sanding



INSTRUCTIONS FOR USE

AREA OF APPLICATION: for filling pores and slits on a wood surface. Used to preserve the natural colour of the wood.

CONSUMPTION: 1 l / 15 – 20 m²

PACKAGING UNITS: 1 l

CHROMODEN universal gel for joints

Single-component polyurethane quick-drying, colourless gel based on high-quality modified resins



- preserves the natural colour of parquet



INSTRUCTIONS FOR USE

AREA OF APPLICATION: for filling slits, pores and minor cracks on a wooden or lacquered parquet surface. Used to preserve the natural colour of the wood.

CONSUMPTION: 1 l / 16 – 20 m²

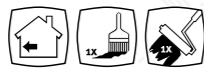
PACKAGING UNITS: 1 l / 5 l

CHROMODEN transparent

Single-component polyurethane transparent primer



- pigmented with high-quality light-resistant pigments



INSTRUCTIONS FOR USE

AREA OF APPLICATION: for the transparent painting of parquet and other wood surfaces before applying CHROMODEN parquet lacquers. Produced in 12 standard shades and at the customer's request.

CONSUMPTION: 1 l / 10 m² in one coat

PACKAGING UNITS: 1 l

Accessories

IDEAL tool cleaning agent

For cleaning tools after using DS parquet lacquers



INSTRUCTIONS FOR USE

AREA OF APPLICATION: used for thinning the IDEAL 2K polyurethane parquet lacquer (gloss/semi-matt).

PACKAGING UNITS: 1 l

CHROMODEN tool cleaning agent

For cleaning tools after using DS parquet lacquers



INSTRUCTIONS FOR USE

AREA OF APPLICATION: solvent-based agent, used for cleaning tools (rollers, brushes).

PACKAGING UNITS: 1 l / 10 l

NEOSTIK FIX CLASSIC

High-quality environmentally friendly adhesive



- acrylic-based
- resistance to atmospheric influence
- can be painted
- once cured, it is resistant to water



INSTRUCTIONS FOR USE

AREA OF APPLICATION: window sills, slats, ceramic plates, decorative elements. Excellent adhesion to: concrete, plaster, wood, ceramics, stone, styrofoam, EPS, XPS, plaster panels and PVC.

PACKAGING UNITS: 200 g / 300 ml / 1 kg / 4 kg

NEOSTIK FIX EXPRESS

High-quality environmentally friendly adhesive



- strong, fast, versatile and permanently elastic adhesive for construction
- does not slump in joints on vertical surfaces
- suitable also for damp surfaces



INSTRUCTIONS FOR USE

AREA OF APPLICATION: for fixing and bonding to all surfaces and most construction materials. Excellent adhesion to: concrete, marble, brick, plaster, ceramics, wood, particle and bound pl. cork, aluminum, iron, glass, XPS, PVC.

PACKAGING UNITS: 290 ml

TIPS FOR PARQUET ADHESION

Successful adhesion depends on the preparation of the surface, which must be dry, straight, and free of dust and other impurities. The concrete substrate must be at least 4–6 weeks old, surface moisture can be a maximum of 2%. The moisture of the wood surface and parquet can be a maximum of 10%. We do not recommend the use of adhesives below 12 °C.

The ideal working conditions by phases are as follows:

Parquet adhesion

Ideal temperature of the ambient, parquet, surface and adhesive is 18–25 °C, relative air humidity 65–75%, maximum surface moisture 2%, maximum parquet moisture 8–10%.

Sanding and puttying the parquet

- If it is a newly laid parquet, it is necessary to start with sanding only after the parquet stabilizes and when all the other finishing works in the space have already been completed.
- Optimal conditions are a room temperature of 15–20 °C and relative air humidity of 50–60%.

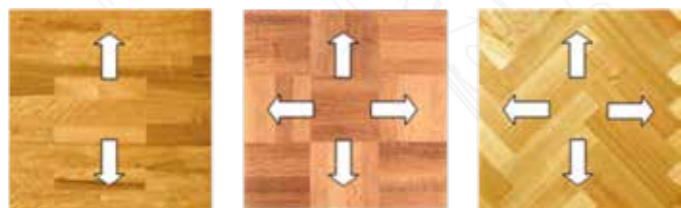
Parquet lacquering

- Optimal working conditions are a room temperature of 18–22 °C and relative air humidity of 65–75%, or 40–75% for water lacquers.
- There must be no airflow or direct sunshine.

The effect of humidity

Moisture is the largest enemy of parquets and parquet-layers. The source of the moisture is unimportant, whether it's from the air, screed, wood, walls, etc. Parquet is mostly laid on cement screeds, which must be dry (max. 2%) in order to avoid any unwanted consequences. Excessive moisture in the screed can pass into the wood, which makes it swell and rise into the shat of a hat.

The way of laying the parquet can greatly affect the consequences caused by increased parquet moisture. Laying the parquet in a fishbone or mosaic sequence allows the spread (bubbling) and the shrinkage of the parquet to spread in all directions and is 50% smaller than in a transverse direction in relation to the direction of the parquet. For this reason, parquet laid in a longitudinal direction must be glued with adhesive based on artificial resins, of which the most commonly used are two-component adhesives based on solvent-free epoxy resins or two-component adhesives based on polyurethane resins.

The direction of swelling with individual ways of laying parquet

Typical drying time for cement screed under normal conditions is 10–15 days per cm of thickness. When laying the flooring, it is imperative to measure the moisture content of the screed. The moisture must not exceed 2%. The table below shows the effect of screed moisture on the danger of laying and lacquering parquet according to the GANN instructions.

ESTER MOISTURE	RISK OF PARQUET INSTALLATION IN ACCORDANCE WITH GANN INSTRUCTIONS.
1.5–2.0	stable dry / safe installation of the parquet and lacquering
2.1–2.5	dry / installation of the parquet and lacquering permitted
2.6–3.0	wet / high risk area for parquet installation, lacquering is not permitted
> 3.0	wet / installation of parquet is not permitted

NEW AND OLD PARQUET -
PREPARATION PROCESSES**New parquet**

The floor (parquet) should be dry and free of grease and impurities, and grouted and sanded with sandpaper no. 120–150 or polished, if required. The sanding dust must be removed with a vacuum cleaner. Parquet must not be bleached with hydrogen peroxide or other agents for wood bleaching.

Final sanding granulation, if lacquered with conventional solvents systems:

- belt sander: no. 120–150
- polishing machine: no. 80–100
- trio or similar: no. 60–80–100

Final sanding granulation, if lacquered with Chromoden transparent:

- belt sander: no. 150 (spreading-wiping, application of colour lacquer)
- polishing machine: no. 80 (application of coloured lacquer), no. 100 (spreading-wiping)
- trio or similar: no. 60–80–100 (spreading-wiping, application of colour lacquer)

Final sanding granulation, if lacquered with aqueous systems:

- belt sander: no. 150
- polishing machine: no. 80–100
- trio or similar: no. 60–80–100

Renovation of old parquet

If you suspect that different parquet cleaning and maintenance products have been used, it is best to first degrease and clean the floor with a mild detergent solution in water and then sand the parquet down to the healthy wood (remove any remaining lacquer). After this process, the parquet floor is treated as new.

PUTTYING

Puttying is a process followed by medium or fine sanding, depending on the choice of materials and machines. For solvent putty, the process is carried out after the middle sanding and before the final sanding (with paper no. 60-80). Chromoden puttying liquid sand well, dry quickly and do not emphasize joints with a darker colour.

The process is different when puttying with Chromoden aqua putty, where the puttying comes after the final sanding but before polishing the parquet.

What is needed for puttying?

- Chromoden puttying liquid or Chromoden aqua puttying liquid
- Fine sanding powder, best from polishing as it is not fibrous
- Trowel

Description of the process

- Prepare the putty mixture by adding fine wood dust to the putty liquid.
- The mixture should be mixed until homogeneous, then apply to the parquet with a spatula to fill the joints and smaller cracks. If the joints are bigger, it is necessary to apply the putty twice (with a thicker and thinner putty mix).
- The parquet must dry for 30–60 minutes.

CLEANING

Vacuuming

After each sanding process (coarse, medium and final) and after polishing, the parquet should be thoroughly vacuumed.

- Always use an empty vacuum cleaner bag to increase efficiency.
- After cleaning, allow all the dust to settle before vacuuming.
- Vacuuming is also necessary after interlayer sanding.
- The recommended vacuuming direction is from the door towards the end of the room.

Cleaning with a cloth

After vacuuming, the parquet should be cleaned with a damp cloth. In doing so, the movements with the cloth must be systematic from one side of the room to the other.

It should be cleaned in separate strokes to avoid transferring dust. The cloth should be cleaned regularly. Untreated (bare) parquet absorbs much more than lacquered parquet and can absorb a significant amount of moisture when cleaned with a cloth that is too wet (the cloth only needs to be damp).

LACQUERING OF CLASSIC CHROMODEN SYSTEMS

The completed fine sanding or polishing of the parquet is followed by the lacquering phase. Priming is the first step, followed by lacquering with finishing lacquers. Priming coats are extremely important for the quality of the whole system and to meet the requirements expected for the wood's colour and its overall visual impression.

Classic Chromoden systems are characterized by exceptional mechanical properties and are therefore recommended for all types of loads, i.e. residential and commercial real estate. Nevertheless, due to increased exposure to wear, we recommend painting business premises with semi-matt or matt lacquers, as the maintenance is easier. The range of the classic Chromoden portfolio allows for a wide variety of flooring arrangements, from maintaining its natural appearance and colour to additional nuancing of the parquet, as well as meeting specific anti-skid requirements for sports floors.

LACQUERING OF AQUEOUS CHROMODEN AQUA SYSTEMS

The Chromoden aqua follows the environmental trend of parquet lacquer development. These systems feature exceptional mechanical properties and a beautiful natural appearance of the wood, by further enhancing their pores. Compared to conventional Chromoden systems, their mechanical properties are not far behind, but the optical appearance of the parquet is different (more natural in colour and emphasized pores or wood structure).

The general benefits of the Chromoden aqua line are that they are eco-friendly products that allow odorless work and tools to be washed in water.

3.4 OILS FOR PARQUET

QUALITY
LEVEL

STEP 1

PREMIUM



- CHROMODEN 2K oil for parquet

STANDARD



- BIOHEL oil for parquet

3.5 OILS FOR TERRACE

QUALITY
LEVEL

STEP 1

PREMIUM



- BELINKA OIL DECKING
- BIOHEL DECKING OIL

AUXILIARY
PRODUCTS



- BELFRESH

3.4 Oils for parquet

Step 1

CHROMODEN 2K oil for parquet

Two-component mixture of special oils and waxes



- for the interior protection of parquet and other wood surfaces
- suitable for bathrooms, swimming pools and spaces exposed to high humidity
- exceptionally quick-drying
- very durable for highly loaded spaces, resistant to milder chemicals
- easy to use
- highly suitable for exotic parquets



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the high-quality protection and decoration of parquet and other wood coverings, to highlight the texture and emphasize the natural appearance of the wood with maximum protection.
CONSUMPTION:	1 l / 30 – 50 m ² (with a spatula) 1 l / 15 – 30 m ² (with a roller or brush)
COLOUR SHADES:	Produced in 12 standard shades (according to the Chromolux colour chart)
PACKAGING UNITS:	1 + 0.2 / 5 + 11

BIOHEL oil for parquet

Oil with waxes for parquet



- for the protection of parquet and other wood surfaces in interiors
- exceptionally quick-drying
- easy to apply (roller)
- very solid and durable
- pleasant touch and matt appearance
- certificate EN 71-3; toy safety



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the simple protection of parquet with environmentally friendly natural materials. Also possible to use for oiling furniture, tables, etc. Resistant to water, spilled drinks, etc.
CONSUMPTION:	1 l / 20 m ² (with a roller)
PACKAGING UNITS:	1 l / 20 l

3.5 Oils for terrace

Step 1

BELINKA OIL DECKING

Oil for the protection and maintenance of exterior walkable wooden surfaces and garden furniture



- contains UV filters and UV absorbers
- increases the resistance to weathering
- repels water and dirt
- available in five carefully selected colour shades



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	it is used to protect surfaces made of resistant types of wood (larch, oak, chestnut and tropical wood, such as teak and bangkirai). The oil penetrates deep into the wood, revives it, colours it and enhances its natural structure. The shade and final appearance of the oiled surface depend on the type of wood the oil is applied to. An oiled surface repels water and dirt and is easier to clean. As it does not form a film on the surface, there is no bubbling or peeling off of the film as a result of shrinkage or swelling of wood.
CONSUMPTION:	15 – 30 m ² with 1 l of oil, depending on the type, absorbency and pretreatment of wood
THINNING:	ready for use
COLOUR SHADES:	natur, walnut, teak, palisander, grey
PACKAGING UNITS:	0.75 l / 2.5 l

BIOHEL DECKING OIL

Oil for terraces



- quick-drying
- easy to apply (roller, brush)
- with added UV light blocking agents
- silky gloss
- low viscosity, good pore watering
- coating elasticity in combination with the walking hardness



INSTRUCTIONS FOR USE

AREA OF APPLICATION:	the more permanent protection of wooden terraces with environmentally friendly natural materials. Also possible to use for oiling garden furniture etc. Only for application on horizontal surfaces (not for facades, fences etc.).
CONSUMPTION:	1 l / 20 m ² (with a roller)
PACKAGING UNITS:	1 l / 20 l

Auxiliary products

BELFRESH

Removing grayness from weather-exposed wood that has turned gray



- effectively removes grayness
- emphasizes the natural color of walkable surfaces, wall cladding and garden furniture

INSTRUCTIONS FOR USE

AREA OF APPLICATION: effective agent for removing grayness from weather-exposed wood that has turned gray. It helps to emphasize the natural colour of walkable surfaces, wall cladding and garden furniture.




It is suitable for refreshing more resistant types of wood (larch, oak, acacia, chestnut and tropical wood, such as teak and bangkirai), that have not been oiled for a long time or are untreated. It is not suitable for use on surfaces protected with woodstain or enamel. The effect depends on the type of wood.

CONSUMPTION: up to 8m² if used as a concentrated product (depends on the grayness of the surface)

PACKAGING UNITS: as a concentrate or thinning with water

PACKAGING UNITS: 11

3.6 ADHESIVES FOR FLOOR COVERINGS

USE	PRODUCT
TEXTILE FLOOR COVERINGS	• NEOSTIK AQUA TEX 
PLASTIC FLOOR AND WALL COVERINGS	• NEOSTIK AQUA PERFECT 
FLOOR AND WALL COVERINGS	• NEOSTIK VARIOCOLL 

NEOSTIK AQUA TEX

One-component dispersion adhesive based on special dispersion and additives



- solvent-free
- great adhesion to textile floor coverings

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	textile floor coverings with a surface from textile, latex, latex foam, PUR foam and natural and synthetic jute as well as floor coverings from coconut and sisal.
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PACKAGING UNITS: 7 kg / 24 kg

NEOSTIK AQUA PERFECT

One-component solvent-free dispersion adhesive



- based on special dispersion
- solvent-free
- for bonding of plastic floor and wall coverings

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the adhesion of different types of plastic floor and wall coverings onto absorbent surfaces (concrete, plaster, wood) in indoor spaces.
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PACKAGING UNITS: 7 kg / 24 kg

NEOSTIK VARIOCOLL

One-component solvent-free dispersion adhesive based on special dispersion and additives



- for the adhesion of floor coverings from plastic, textile, styrofoam and cork

INSTRUCTIONS FOR USE

AREA OF APPLICATION:	for the adhesion of different types of floor and wall coverings onto concrete, plaster and other absorbent surfaces.
----------------------	--

PACKAGING UNITS: 1 kg / 7 kg / 24 kg

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