

For real industry

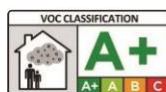
P FLEX® PARK 100 (0,5 – 1,5 mm)

A polyurethane floor system with high abrasion resistance, designed to protect concrete interior surfaces of car parks and garages.

<p>Product description</p>	<p>P FLEX® PARK 100 is a flexible, polyurethane, waterproof system designed to protect concrete surfaces of garages and car parks without direct exposure to UV rays.</p> <p>Products included in the P FLEX® PARK 100 system:</p> <ul style="list-style-type: none"> • P FLEX® PARK BASE - primer (E VERS® 200 epoxy can also be used) • P FLEX® PARK BASE - base layer - used for floor thicknesses of above 0.6 mm • P FLEX® PARK COVER - final layer • Quartz sands <p>Detailed information on the consumption of specific materials is available on request.</p>
<p>Characteristics</p>	<p>The P FLEX® PARK 100 floor has the following characteristics:</p> <ul style="list-style-type: none"> • Non-dusting, • Easy to clean • Possible quick execution • Waterproof • Elastic • High mechanical and chemical resistance • Slip-resistant • Has documented references
<p>Range of application</p>	<p>The P FLEX® PARK 100 system is designed to protect internal and external surfaces of garages and car park without direct exposure to UV radiation and wherever high slip resistance and resistance to vehicular traffic loads are required.</p>
<p>Chemical resistance</p>	<p>The P FLEX® PARK 100 floor has very good resistance to a wide range of chemicals to which it may be exposed, including:</p> <ul style="list-style-type: none"> • road salt, • car fuels • engine oils, • gear oils • a glycol, • sodium hydroxide,

	<ul style="list-style-type: none"> • potassium hydroxide, • ammonia. <p>Full chemical resistance table available on request. Note: for some very aggressive chemicals, surface softening and discoloration may occur depending on the type of spilled substance and standards of cleanliness.</p>
Mechanical resistance	P FLEX® PARK flooring systems have been developed to provide the highest mechanical strength and resistance, including impact, abrasion, bending and compressive resistance.
Property to bridge cracks	<p>The P FLEX® PARK 100 floor, 1.5 mm thick, intended for garages and internal car parks, has the property to bridge cracks in accordance with PN-EN 1062-1: 2005:</p> <ul style="list-style-type: none"> • at temperature of 10 C - class A 3 (> 500 m) • at temperature of 0 C - class A 1 (> 100 m)
Absorption and water permeability	The P FLEX® PARK 100 floor structure ensures virtually zero water absorption and permeability. The tests have been carried out in accordance with EN 1062-3.
Slip-resistance	P FLEX® PARK flooring systems have been developed to ensure the highest possible slip resistance. P FLEX® PARK 100 tests have been carried out in accordance with two standards DIN 51130 and DIN 51097 and obtained class R13 / C
VOC emissions	<p>All P FLEX® PARK floors are solvent-free and meet the highest VOC emissions requirements for floor systems. P FLEX® PARK 100 meets the highest requirements specified for interior parking floor systems in accordance with:</p> <ul style="list-style-type: none"> • Directive 2004/42 / EC, • EN ISO 16000-6 • PN-EN ISO 11890: 2.
Support for LEED or BREEAM certification	P FLEX® PARK 100 parking systems meet the requirements of VOC emissions for assessment and construction certification systems for indoor air quality LEED v4 and BREEAM (LZO emissions <20 g / l, Class A +)
Higienic properties	P FLEX® PARK flooring systems have a Hygienic Certificate and are dedicated to professional indoor flooring applications, including on parking spaces, in industrial facilities and public facilities.

Technical data of the floor	• Abrasion resistance according to EN ISO 5470-1	380 mg
	• Bending resistance according to EN 196-1	38 MPa
	• Compressive strength according to EN 196-1	67 MPa
	• Capillary absorption and water permeability according to EN 1062-3	0,002 kg/m ² x h ^{0,5}
	• Crack bridging property (1.5 mm thick)	at temperature of 10 C - class A 3 (> 500 m) at temperature of 0 C - class A 1 (> 100 m)
	• Reaction to fire class according to PN –EN 13051-1	Bfl-S1
	• Impact resistance according to EN ISO 6272-1	Class II: ≥ 10 Nm
	• Peel adhesion resistance according to PN EN 1542	≥ 1,5 N/mm ²
	• Anti-resistance class according to DIN 51130	R13
	• Anti-resistance class according to DIN 51097	C
	• VOC emissions according to EN ISO 16000-6	Class A+ (< 200 mg/m ³)
	• VOC emissions according to EN ISO 11890:2	< 50 g/dm ³
Reports and certificates	• Hygienic certificate issued by the Department of Environmental Toxicology Medical University of Gdansk no 272/322/289/2016	
	• Classification report on reaction to fire issued by the Institute of Ceramics and Building Materials no SG-127/16/N	
	• Mechanical resistance test report issued by the SPEKTROCHEM - Coatings, Adhesives and Polymers Research and Development Centre no 1074/2016	
	• Report on laboratory tests of VOC emissions in accordance with EN ISO 16000-6 and strength tests issued by SPEKTROCHEM - Coatings, Adhesives and Polymers Research and Development Centre No 193 / L2017	
	• Report on laboratory tests of VOC emissions of P FLEX PARK 100 components in accordance with EN ISO 11890: 2 issued by the Building Research Institute no. LZFO00-1230 / 18 / Z00NZF	
Cleaning	Regular cleaning and maintenance extends the life and improves the appearance of the floor. PC HARD @flooring systems are cleaned using standard chemical and water agents and cleaning equipment. However, before using chemical cleaning agents and detergents, you should consult their operation with the supplier of cleaning agents and make a test on the invisible part of the floor. Instructions for recommended cleaning methods are available from the floor system manufacturer.	
Preparation and quality of base area	The best method of area preparation is dust-free shot blasting. Other preparation, e.g. milling, manual or machine grinding, firing, etc. is allowed. The base area is usually a concrete or polymer surface. The base area must be clean and free of dust and loose particles. The concrete must be clearly dry with a minimum tensile strength of 1.5 N / mm ² . Contaminants such as greasy and oily layers, paint residues, chemical compound residues and cement wash must be removed.	



Mixing and application	Full application instructions are only available to licensed and authorized contractors.
Binding time	At temperatures between 15 ° C and 25 ° C, the following values should be taken: <ul style="list-style-type: none"> • Foot traffic - 16 hours • Light vehicular traffic - 24 hours • Full cure - 7 days
Packaging	All components of the P FLEX® PARK 100 floor are delivered in factory sealed containers marked with net weights
Tool cleaning and washing	Tool cleaning after work should be carried out in a designated place away from the production rooms and the place of application of coatings. You can use e.g. xylene or acetone for cleaning tools. During cleaning and washing, it is absolutely necessary to clean and wash according to the instructions of the solvents manufacturers and avoid spilling them on the freshly made floors. Description of procedures concerning packaging of all components is included in the Material Safety Data Sheets for individual components.
Health and Safety Notes	Some components of floor masses when unhardened are harmful to health. They may cause allergies in particularly sensitive people. Special precautions should be taken when carrying out work. The rooms where floors are prepared and made must be well ventilated. Workers should use: clothes, shoes, glasses and protective gloves. Detailed safety rules are given in the Material Safety Data Sheets. After hardening, polyurethane-cement flooring is physiologically inert to the human body. Safety Data Sheets containing detailed information on health and safety are provided for each material and ingredient supplied.
Storage	All materials included in the P FLEX® PARK 100 system should be stored in dry and shaded places. Optimal temperatures are 10-15 ° C.
Influence on the environment	The P FLEX® PARK 100 floor is solvent-free and does not pose a health and environmental hazard by meeting the highest VOC emissions requirements for indoor floor systems in accordance with Directive 2004/42/EC, EN ISO 16000-6 and PN-EN ISO 11890:2
Colours	<p>P FLEX® PARK 100 is available in 6 basic colours:</p> <ul style="list-style-type: none"> • 100 - dark gray • 101 - light gray • 102 - blue • 103 - green • 104 - red • 105 - yellow <p>P FLEX® PARK 100 floor systems are dedicated to indoor facilities and rooms. Therefore, there may be some differences in shades and discoloration of the applied floor in areas exposed to direct UV rays.</p>

LAINER Spółka z odpowiedzialnością, sp. k., guarantees the high quality of the materials supplied and takes full responsibility for any defects in the materials offered. However, due to the variability of installation conditions and applications of LAINER products, the information contained in this sheet is only general guidelines for use. The customer is solely responsible for the use of the product without prior consultation with LAINER in other areas of application than specified in this technical data sheet, as well as for any damages resulting from it. All materials can be used only by trained and experienced executive brigades. Directly before application, the customer is required to check the condition of the substrate, climatic conditions and quality of materials. All descriptions, illustrations, photos, data, proportions, weights, etc. given herein are subject to change without notice and do not represent the properties of the products specified in the contract. This document expires with the new edition.