

PC HARD® AG (5,0 – 6,0 mm)

A polyurethane-cement system of slip-resistant industrial floors with high mechanical, chemical and microbiological resistance, intended for use in harsh operating conditions.

<p>Product description</p>	<p>A polyurethane-cement system of slip-resistant industrial floors with high mechanical, chemical and microbiological resistance, intended for use in harsh operating conditions.</p> <p>Products included in the PC HARD® AG system:</p> <ul style="list-style-type: none"> • PC HARD® PRIMER - polyurethane-cement primer • PC HARD® PL - high quality polyurethane-cement base area • PC HARD AG - polyurethane-cement sealing varnish • Quartz aggregates
<p>Characteristics</p>	<p>The PC HARD® AG floor has the following characteristics:</p> <ul style="list-style-type: none"> has a fast binding time; has the possibility of application on 7-day concrete prevents the development of bacterial flora is monolithic - the minimum number of connections is easy to clean is slip-resistant is non-dusty does not decay it is resistant to many chemicals has excellent resistance to abrasion and impact withstands a wide range of temperatures from -25 ° C to +90 ° C has documented references
<p>Range of application</p>	<p>PC HARD® AG floors are widely used in the food, pharmaceutical and chemical industries, where wet operating conditions occur and high hygiene, chemical and mechanical resistance are required, such as, in:</p> <ul style="list-style-type: none"> • factories and plants producing and processing food, with wet production • chemical and pharmaceutical factories and plants; • kitchens; • canteens; • warehouses; • cold store; • washes.

<p>Chemical resistance</p>	<p>The PC HARD® AG floor has very good resistance to a wide range of aggressive chemicals found in the agri-food industry, such as:</p> <ul style="list-style-type: none"> • saturated NaCl solution, • ethanol, • nitric acid , • acetic acid • lactic acid, • sodium hydroxide, • potassium hydroxide, • ammonia. • animal and vegetable fats and oils <p>Full chemical resistance table available on request. Note: in the case of some very aggressive chemicals, surface softening and discoloration may occur depending on the type of spilled substance and standards of cleanness. Full chemical resistance table available on request.</p>
<p>Mechanical resistance</p>	<p>PC HARD® AG flooring systems have been developed to ensure the highest possible mechanical resistance and high temperature resistance. PC HARD® AG has high impact strength, abrasion, bending and compressive resistance. The PC HARD® AG floor with a thickness of 6 mm is completely resistant to temperatures up to 90°C and can be washed with steam. It is also suitable for cold rooms with temperatures down to -25°C.</p>
<p>Capillary absorption and water permeability</p>	<p>The structure of the PC HARD® AG floors ensures virtually zero absorption and water permeability according to EN 1062-3.</p>
<p>Slip resistance</p>	<p>Slip resistance tests of PC HARD® AG have been carried out in accordance with two standards DIN 51130 and DIN 51097 and have obtained class R11 / B.</p>
<p>VOC emissions</p>	<p>All PC HARD® systems are solvent-free and meet the highest VOC emissions requirements for indoor floor systems. PC HARD® AG has been tested for VOC emissions in accordance with EN ISO 16000-6 and has obtained the highest class A +.</p>
<p>Higienic properties</p>	<p>PC HARD® floor systems have the HACCP Certificate and are dedicated to all plants and industrial facilities of agri-food processing. Based on the results of tests carried out in the Microbiological Laboratory of Food and Production Environment Research (ZOI test), PC HARD® AG floor effectively inhibit the growth of many strains of bacteria, including:</p> <ul style="list-style-type: none"> • Escherichia coli, • Listeria monocytogenes, • Enterobacter aerogenes, <p>that may occur in food and agricultural processing. A full table of bacterial types is available on request.</p>

Technical data	• Abrasion resistance according to EN ISO 5470-1	460 mg
	• Compressive resistance according to EN 196-1	95 MPa
	• Bending resistance according to EN 196-1	27 MPa
	• Capillary absorption and water permeability according to EN 1062-3	0,003 kg/m ² x h ^{0,5}
	• 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
	• Slip-resistance class according to DIN 51130	R11
	• Slip-resistance class according to DIN 51097	B
	• VOC emissions according to EN-ISO 16000-6	Class A+
Cleaning	Regular cleaning and maintenance extends the life and improves the appearance of the floor. PC HARC® 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 PC HARD® AG 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.	

<p>Health and Safety Notes</p>	<p>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.</p>
<p>Storage</p>	<p>All materials included in the PC HARD® AG system should be stored in dry and shaded places. Optimal temperatures are 10-15 ° C.</p>
<p>Influence on the environment</p>	<p>The PC HARD® AG floor is solvent-free and does not pose a health and environmental hazard by meeting the highest VOC emissions requirements for indoor floor systems. PC HARD® AG has the highest class A +VOC emissions in accordance with EN ISO 16000-6</p>
<p>Colours</p>	<p>PC HARD® AG is available in 8 basic colours:</p> <ul style="list-style-type: none"> • Blue • Green • Creamy • Light grey • Dark grey • Red • Yellow • Orange <p>PC HARD® floor systems are dedicated to buildings and rooms where the highest chemical and thermal resistance as well as high hygiene are required. Therefore, in areas in corners exposed to direct UV rays, there may be some differences in shades and discoloration of the applied floor.</p>

ATESTY I CERTYFIKATY:

HK/B/0115/2016

Hygienic Certificate issued by the National Institute of Hygiene of the National Institute of Public Health

SG-97/16/N

Classification report on reaction to fire issued by the Institute of Ceramics and Building Materials

1074/2016

Mechanical resistance test report issued by SPEKTROCHEM Coatings, Adhesives and Polymers Research and Development Centre

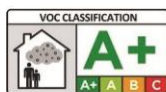
193/L2017

Report on laboratory tests of VOC emissions and strength tests issued by SPEKTROCHEM Coatings, Adhesives and Polymers Research and Development Centre

PL17/0573

HACCP certificate issued by SGS Polska Sp. z o.o. Certification and Business Enhancement

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