

PC HARD® K2

Polyurethane-cement mixture for non-slip, high-strength industrial floors in severe operating conditions.

(thickness: 6.0 –9.0 mm)

<p>Product description</p>	<p>PC HARD® K2 is a high-efficiency, four-component, fast setting composite which provides a light weight finish.</p> <p>PC HARD® K2 is suitable for finishing of wet and dry process rooms, it is heatresistant up to 120 ° C and provides exceptional resistance to aggressive chemicals and mechanical damage.</p> <p>Products included in the system PC HARD® K2:</p> <ul style="list-style-type: none"> • PC HARD® PRIMER – polyurethane- cementitious grouting layer • PC HARD® K2 – a high quality polyurethane- cementitious main layer • Quartz sands <p>More information regarding specific materials used is available upon request</p>
<p>The field of application</p>	<p>PC HARD® K2 floors are widely used in the food, pharmaceutical and chemical industries with heavy and very heavy operating conditions and where high chemical and mechanical resistance is required, in:</p> <ul style="list-style-type: none"> • Factories and food processing plants, in a wet or dry production, in freezer environments and coldstores • Factories and chemicals and pharmaceutical plants • Manufacturing plants • Laboratories
<p>Specification</p>	<ul style="list-style-type: none"> • High resistance to mechanical and chemical factors • Applicable on concrete 8 days after it is set • Non-slip • Antimicrobial • Short setting time • Easy to keep clean, resistant to hot pressurized water • Odourless, contains no VOCs • Applicable in the thickness range of 6 to 12 mm

Technical data	<ul style="list-style-type: none"> • Impact resistance according to EN ISO 6272-1 	Class II: ≥ 10 Nm
	<ul style="list-style-type: none"> • Capillary absorption and liquid water permeability according to EN 1062-3 	0.004 kg/m² x h^{0,5}
	<ul style="list-style-type: none"> • Class of reaction to fire according to PN-EN 13051-1+A1:2010 	Bfl-S1
	<ul style="list-style-type: none"> • Peel adhesion according to PN EN 1542 	≥ 1.5 N/mm²
	<ul style="list-style-type: none"> • Resistance to compression according to EN 196-1 	95MPa
	<ul style="list-style-type: none"> • Bending resistance according to EN 196-1 	27 MPa
	<ul style="list-style-type: none"> • Emissions of VOC according to EN ISO 16000-6 	A+ Class
	<ul style="list-style-type: none"> • Resistance to abrasion according to EN ISO 5470-1 	420 mg
	<ul style="list-style-type: none"> • Anti-slip class according to DIN 51130 	R11
	<ul style="list-style-type: none"> • Anti-slip class according to DIN 51097 	B
Quality of a base area	The base surface is usually a concrete or polymer surface. The base surface must be clean and free from dust and loose particles. The concrete must be clearly dry, with a minimum tensile strength of 1.5 N/mm ² . Contamination such as greasy, oil, paint residues, chemicals, and cement grout must be strictly removed.	
Preparation of the base surface	The best method of surface preparation is dustless blasting. It is accepted to prepare other ways such as milling, manual or machine cleaning - grinding, burning, etc.	
Mixing and applying	Complete application instructions are only available for licensed and authorized contractors.	
Material consumption	Material consumption depends on the unevenness and degree of prepared substrate, temperature, coating thickness and applied tools and method of application.	
Binding time	Under temperature conditions from 15°C to 25°C the following values should be taken: <ul style="list-style-type: none"> • Pedestrian traffic - 16 hours • Light vehicle traffic – 24 hours • Full cure - 7 days 	
Cleaning	In case of necessity of cleaning the substrate or tools from uncured materials, suitable solvents and cleaners may be used. Such operations shall preferably be carried out outside the area of work in a designated place. Dirt after curing of the material is insoluble and can be mechanically cleaned. Information on suitable solvents is available on request	

<p>Rules on health and safety at work</p>	<p>Some components of the floor masses in the uncured state are harmful to health. In particular for susceptible persons, they may cause sensitization. Special precautions should be taken during work. The rooms where the floors are prepared and made must be well ventilated. Employees should use: clothes, shoes, glasses and protective gloves. For detailed safety precautions, see the Material Safety Data sheet. Polyurethane-cement floor coverings after curing are physiologically indifferent to the human body. Each material and ingredient which is supplied is accompanied by safety data sheets containing detailed safety information.</p>
<p>Storage</p>	<p>All materials included in the PC HARD® K2 system should be stored in dry and shaded places. The optimum temperature is 10-15°C.</p>
<p>Environmental impact</p>	<p>PC HARD® K2 flooring is solvent-free and it is considered to be harmless to health and the environment as a final product.</p>
<p>Colour range</p>	<p>PC HARD® K2 is available in 8 basic colors according to the Lainer template available on request. In addition, there is the possibility of individual selection of dyed quartz aggregates according to the Client's recommendations.</p>
<p>Attestation and certificates:</p>	<ul style="list-style-type: none"> • 193/L2017 - VOC Classification report issued by the Research and Development Center for Paints, Glues and Polymers SPECTROCHEM • HK/B/0115/2016 - Hygienic certificate of the National Institute of Hygiene of the National Institute of Public Health • SG-84/16/N - Classification report on reaction to fire by the Institute of Ceramics and Building Materials • 1074/2016 - Mechanical resistance test report issued by the Research and Development Center for Paints, Glues and Polymers SPECTROCHEM • PL 17/0573 - HACCP CERTIFICATE production of flooring systems dedicated to agricultural food

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