

BAUTECH PARKING SYSTEM

SYSTEM DESCRIPTION

Specialized, stiff flooring system with anti-slip properties. To be used in internal garage and parking facilities subject to pressure typical to wheel traffic – passenger cars, technical vehicles and trucks.

AREAS OF APPLICATION

Flooring systems to be used on stabilized concrete foundations and cement screeds, meeting standard smoothness and capacity-carrying parameters in the area of internal garages and multi-place parkings, e.g.:

- vehicle routes
- parking places
- exit ramps

SYSTEM COMPONENTS

- **Grounding layer – standard**
BAUPOX 100 STR
- **Main layer:**
BAUPOX 200
topping – option
dyed aggregate 0.2-0.8 mm
dyed aggregate 0.8-1.2 mm
dyed aggregate 1.2-1.8 mm
dyed aggregate 1.6-2.0 mm
- **Finishing layer:**
BAUPOX 200

Parking places may be made in Bautech TL System technology

PREPARATION OF THE FOUNDATION

Concrete foundation must be stable and of proper carrying capacity for the target static and dynamic loads – concrete of class no less than C20/25 of minimal stripping strength 1.5 N/mm². The acceptable humidity of the foundation must not exceed 4% in terms of weight.

The foundation must have a hermetic horizontal insulation protecting it from moisture sucked up through capillary tubes.

Foundations which are to be protected with epoxy layers must be clean and absorbent. Cement wash, dirt of all kinds and old protection layers should be removed mechanically by grinding, shot blasting or milling.

CONDITIONS OF APPLICATION

- Temperature of the foundation – no less than +10°C
- Relative humidity of the air – max. 75%

NOTE: Special attention should be paid that the temperature of the foundation be at least 3°C over the dew point temperature. Rooms in which the works are performed must be ventilated.

USABILITY

At the temperature of 20°C and relative air humidity of 60-70%:

- pedestrian traffic – after 24 hours
- mechanical loads – after 72 hours
- complete resistance – after 7 days.

CAUTION

System is not resistant to metal and polyamide wheel loads.

LEGAL NOTES

All information contained herein is based on the current state of knowledge resulting from performed trials and laboratory tests. As it has no control over the actual manner and conditions of application of materials included in the system, Bautech Sp. z o.o. informs that the data contained herein as well as any oral advice not confirmed in writing may not constitute a basis for unconditional legal liability of the producer.

All previous technical sheets become void with the publication of this one.

MISCELLANEOUS INFORMATION

Other information regarding the conditions of application, use, cleaning and maintenance of polymer floors by Bautech Floor System is included in Technical Instructions and Technical Sheets of individual products.

TECHNICAL DATA

Product compliant with EN-13813

Thickness	> 1,5 mm
Colours	According to BAUTECH Colour chart
Bond strength	> 1,5 N/mm ²
Compressive strength	> 35 N/mm ²
Abrasion resistance	> H22/1000 Cycles /1000g<3000mg
Impact resistance	Class I : > 4 Nm
Linear contraction:	< 0,3 %
CO2 permeability:	SD > 50 m
Water vapor permeability:	Class III : SD > 50 m
Capillary absorption:	w < 0,1 kg/(m ² x h ^{0,5})
Anti-slippery properties:	R-11 – R-13 (depends on fraction)
Fire rating	C _{fi} -s1 and flash resistant
Chemical resistance	According to chemical resistance chart



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EN 13813
SR-B1,5

DETAILED DESCRIPTION OF TECHNOLOGY

Grounding layer

Material: BAUPOX 100 STR.

Spread properly mixed material on concrete foundation in one or two layers, using a rubber squeegee and then a roller, until full saturation is achieved.

Consumption: 0.30 kg/m².

Main layer:

Material: BAUPOX 200

Spread the resin evenly on the foundation using a steel long float or a roller for resins, leaving on its surface a homogenous layer filling the pores and levelling slight irregularities. Then sprinkle the surface evenly over with natural quartz aggregate of fraction 0.2-0.8 mm (about 3.0 kg/m² – complete filling).

After polymerization, sweep the excessive amount of the aggregate, delicately regrind the surface with a grinder with abrasive paper and then remove dust from the whole of it.

Consumption of resin: 0.50 kg/m².

Finishing layer

Material: BAUPOX 200.

Spread the product evenly on the base with topping from natural quartz aggregate using a metal or rubber long float or roller.

Consumption: 0.60 – 0.80 kg/m²

Leave the floor to harden for about 24 hours.

CLEANING AND MAINTENANCE

BAUTECH PARKING SYSTEM should be kept clean – it should be swept manually or cleaned mechanically using scrubbing and collecting devices with addition of active cleaning agents.

Neutral or lightly alkaline detergents (pH from 5.5 to 10) may be used.

The temperature of the cleaning agent must not exceed 60 °C.

It is forbidden to clean the floor using strong solvents, thinners and preparations containing active chlorine.

Detailed conditions of cleaning are specified in IT-05 technical instruction.