

PORPLASTIC *INDOOR PEL basic*

Standard flooring system for school and multipurpose sports halls
point-elastic according EN 14904

SYSTEM LAYERS

-  **line paint:**
PORPLASTIC X8005
-  **flexible top finish** coloured, mat
PORPLASTIC S6000P
-  **self levelling layer**, solvent free
PORPLASTIC C524 / C523 / C522
-  **scratch layer**
PORPLASTIC C524 / C523 / C522
-  **pore sealer**
PORPLASTIC L375
-  **PORPLASTIC basic mat**
adhesive PORPLASTIC B976
-  **primer (only for concrete)**
VIASOL EP-P210
-  **sub base:** concrete or asphalt



SYSTEM DESCRIPTION

- total system thickness approx. 7 – 14 mm
(4 - 10 mm mat + 2 – 3 mm coating)
- point-elastic according to EN 14904/DIN V 18032-2
- IHF approved
- fire resistance B_{fl}-S1 (EN 13501-1)
- impermeable
- formaldehyde-free, pentachlorophenol-free
- permanent elasticity
- good scratch and abrasion resistance
- for indoor sports floorings
- available in many colours
- easy to clean

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CONSUMPTION AND APPLICATION

layer	product	consumption (kg/m ²)	thickness (mm)	application
line paint	PORPLASTIC X8005	10 – 15 g per running meter	0.1 – 0.2	roller or brush
flexible top finish	PORPLASTIC S6000P	0.12 – 0.14	0.05 – 0.1	roller
self levelling layer	PORPLASTIC C524 / PORPLASTIC C523 / PORPLASTIC C522	2.0 – 3.0	2 – 3	pin rake
scratch layer (optional)	PORPLASTIC C524 / PORPLASTIC C523 / PORPLASTIC C522	0.4 – 0.8	ca. 0.5	rubber squeegee or metal trowel
pore sealer	PORPLASTIC L375	0.3 – 0.7	0.1 – 0.2	rubber squeegee or metal trowel
prefabricated mat with adhesive	PORPLASTIC <i>basic</i> mat	---	4 – 10	cut and embed in fresh adhesive notched trowel
	PORPLASTIC B976	ca. 0.8		
primer	VIASOL EP-P210	ca. 0.4	ca. 0.2	roller or rubber squeegee
substrate	Cementitious substrates according to standards, load bearing, no cracks/voids, pull-off strength ≥ 1.0 N/mm ² (EN ISO 4624), residual moisture < 6 %CM.			



FIELDS OF APPLICATION

- sports halls
- school sports halls
- multi-purpose leisure halls



All technical data are taken from test reports and refer to the main products. Depending on the substrate an application conditions or in case of using alternative products, results may vary.

TECHNICAL DATA

property	thickness	DIN V 18032-2	EN 14904	required
shock absorption	4+2	17 %	15 %	DIN: $\geq 51\%$ (Cat1) $\geq 45\%$ (Cat2)
	6+2	23 %	21 %	
	7+2	25 %	23 %	EN: 25 - 75 %
	9+2	30 %	28 %	
vertical deformation	4+2	0.7 mm	0.7 mm	DIN: <3.5 mm (Cat1) < 3.0 mm (Cat2)
	6+2	0.9 mm	0.8 mm	
	7+2	1.0 mm	0.9 mm	EN: ≤ 5 mm
	9+2	1.1 mm	1.0 mm	
impact resistance		10 -14 Nm	9 – 13 Nm	> 8 Nm
resistance to rolling load	all	1000 N	1500 N	DIN: 1000 N EN: 1500 N
vertical ball behavior		97-98 %	96 %	> 90 %
resistance to indentation [mm]	all	0.25-0.35	0.27-0.38	≤ 0.5 mm
sliding coefficient/ friction	all	0.42 – 0.47		0.4 – 0.6 80 -110
gloss	all		23	≤ 30
reflectance	all		0.48	0.4 – 0.6
resistance to wear	all		30 mg	≤ 80 mg

Remark: for further information please refer to the product data sheets or contact our technical service. All data are approximate values. Therefore no liability claims can be derived from the system data sheet. As all PORPLASTIC data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.porplastic.com or contact us directly). Date of issue: October 2020 – all technical information is subject to change without prior notice