







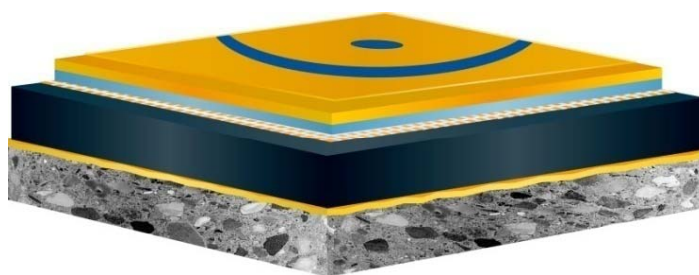


PORPLASTIC *INDOOR PEL master*

Reinforced flooring system for school and multipurpose sports halls, point-elastic according to DIN V 18032-2, IHF approved

SYSTEM LAYERS

-  **line paint:**
PORPLASTIC X995
-  **flexible sealing, coloured, mat**
PORPLASTIC S620 / S688P
-  **top-coating, solvent free**
PORPLASTIC C524 / C523
-  **intermediate layer**
PORPLASTIC C524 / C523
-  **pore sealer**
PORPLASTIC L375
-  **PORPLASTIC master mat with fabric**
adhesive PORPLASTIC B976
-  **primer (only for concrete)**
VIASOL EP-P210
-  **sub base:** concrete or asphalt



SYSTEM DESCRIPTION

- total system thickness approx. 12 – 17 mm
(10 - 15 mm mat + 2 – 3 mm coating)
- point-elastic according to DIN V 18032-2 (Cat 1+2)
- point elastic according to EN 14904 (P3)
- excellent shock absorption
- impermeable
- IHF approved
- formaldehyde-free, pentachlorophenol-free
- permanent elasticity
- good scratch and abrasion resistance
- easy to clean
- available in many colours

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CONSUMPTION AND APPLICATION

layer	product	consumption (kg/m ²)	thickness (mm)	application
Line paint	PORPLASTIC X995	10 – 15 g per running meter	0.1 – 0.2	roller or brush
Flexible sealing	PORPLASTIC S620 / PORPLASTIC S688P	0.13 – 0.16 0.09 – 0.11	0.05 – 0.1	rubber squeegee and roller
Top-coating	PORPLASTIC C524 / PORPLASTIC C523	2.0 – 3.0	2 – 3	notched squeegee
Intermediate layer (optional)	PORPLASTIC C524 / PORPLASTIC C523	0.4 – 0.8	ca. 0.5	notched squeegee
Pore sealer	PORPLASTIC L375	ca. 1.0	0.1 – 0.2	rubber squeegee or metal trowel
Prefabricated mat with Adhesive	PORPLASTIC <i>master</i> mat with fabric PORPLASTIC B976	--- ca. 0.8	10 – 15	cut and embed in fresh adhesive notched trowel
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

TECHNICAL DATA



property	thickness	DIN V 18032-2	EN 14904	required
Shock absorption [%]	12+2 / 12+3 14+3 / 15+2	48 / 50% (Cat 2) 53 / 51% (Cat 1)	46 / 47% 51 / 49%	DIN: $\geq 51\%$ (Cat1) $\geq 45\%$ (Cat2) EN: 25 - 75 %
Vertical deformation [mm]	12+2 / 12+3 14+3 / 15+2	2.2 / 2.0 2.3 / 2.6	2.1 / 2.0 2.3 / 2.8	DIN: <3.5 (Cat1) < 3.0 (Cat2) EN: ≤ 5 mm
Impact resistance	12+2 / 12+3 14+3 / 15+2	14 Nm 13 Nm	13 Nm 12 Nm	> 8 Nm
Resistance to rolling load	all	1000 N	1500 N	DIN: 1000 N EN: 1500 N
Vertical ball behaviour	12+2 15+2	97 % 96 %	95 % 94 %	> 90 %
Resistance to indentation [mm]	12+2 / 12+3 14+3 / 15+2	0.34 / 0.16 0.25 / 0.44	0.39 / 0.19 0.22 / 0.47	≤ 0.5 mm
Reflectance	all		0.48	0.4 – 0.6
gloss	all		23	≤ 30
Sliding coefficient/ friction	all	0.42 – 0.47	100-104	0.4 – 0.6 80 -110
Resistance to wear	all		15-30 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: May 2014– all technical information is subject to change without prior notice