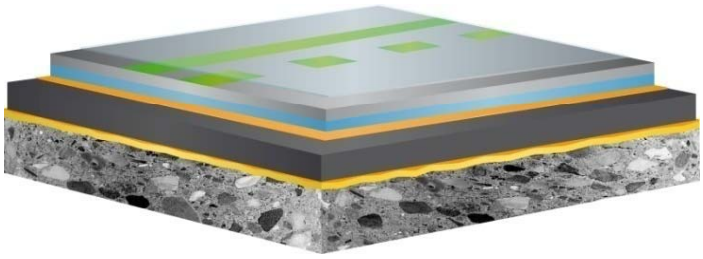
Porplastic

# PORPLASTIC*INDOOR PEL basic*

Standard flooring system for school and multipurpose sports halls
point-elastic according to DIN V 18032-2 and EN 14904, 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 basic mat** adhesive PORPLASTIC B976
- **primer (only for concrete)** VIASOL EP-P210
- **sub base:** concrete or asphalt



## SYSTEM DESCRIPTION

- total system thickness approx. 7 – 13 mm ( 4 - 10 mm mat + 2 – 3 mm coating)
- point-elastic according to DIN V 18032-2 and EN 14904
- impermeable
- IHF approved
- 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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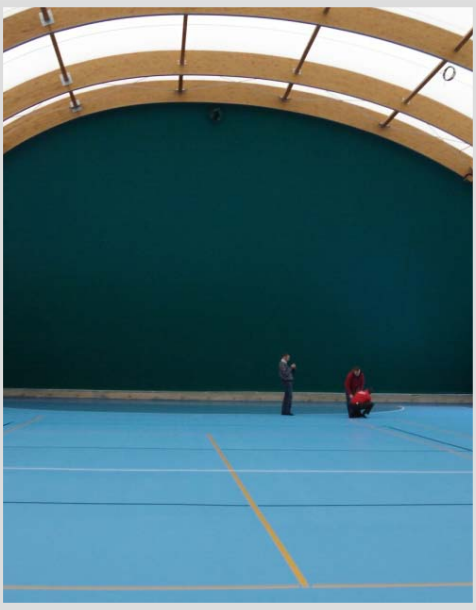
## CONSUMPTION AND APPLICATION

| layer | product | consumption (kg/m²) | 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<br>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. 0.8 | 0.1 – 0.2 | rubber squeegee or metal trowel |
| Prefabricated mat with adhesive | PORPLASTIC***basic*** mat<br>PORPLASTIC B976 | ---<br>ca. 0.8 | 4 – 10 | 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/mm² (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 | 4+2<br>6+2<br>7+2<br>9+2 | 17 %<br>23 %<br>25 %<br>30 % | 15 %<br>21 %<br>23 %<br>28 % | DIN: ≥ 51% (Cat1)<br>≥ 45 % (Cat2)<br><br>EN: 25 - 75 % |
| Vertical deformation | 4+2<br>6+2<br>7+2<br>9+2 | 0.7 mm<br>0.9 mm<br>1.0 mm<br>1.1 mm | 0.7 mm<br>0.8 mm<br>0.9 mm<br>1.0 mm | DIN: <3.5 mm (Cat1)<br>< 3.0 mm (Cat2)<br><br>EN: ≤ 5 mm |
| Impact resistance | | 10 -14 Nm | 9 – 13 Nm | > 8 Nm |
| Resistance to rolling load | all | 1000 N | 1500 N | DIN: 1000 N<br>EN: 1500 N |
| Vertical ball behaviour | | 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 | <br>100 | 0.4 – 0.6<br>80 -110 |
| Gloss | all | | 23 | ≤ 30 |
| Reflectance | all | | 0.48 | 0.4 – 0.6 |
| Resistance to wear | all | | 30 mg | ≤ 80 mg |
| Thickness coef. | | 5.7 – 8.2 | | DIN: ≥ 4 |
| W100 | all | 0% | | 0% |

**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 2015– all technical information is subject to change without prior notice**

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