

## ProPlay-55

### Technical data sheet

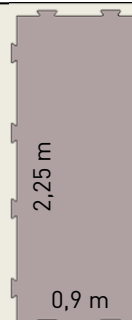


ProPlay-55 is designed to protect playing children against heavy head injuries.

ProPlay-55 is installed under for instance artificial grass and makes it an impact absorbing surface. For a prompt installation, the ProPlay-55 is supplied as interlocking panels.

#### Physical characteristics

ProPlay-55 consists of thermal bonded (closed-celled) cross-linked Polyethylene foam (PEX). This foam comes from production residues and contains no contaminants. ProPlay-55 is tested based on microbiological resistance (according EN 12225) resistance to: weathering (according EN 12224), oxidation (according EN ISO 13438), acids & bases (according EN 14030). The predicted durability of PEX is a 100 years minimum (according ISO/TR 13434). ProPlay-55 is tested on durability at the German test institute I.S.P.



#### Technical data

##### Physical

Thickness at 2 kPa load	57	mm	
Mass per unit area	4.6	kg/m <sup>2</sup>	

##### Performance

Force reduction	81	%	AAA*
Vertical deformation	15	mm	AAA*
Critical fall height (Head Injury Criterion ~ 1000)	2.0	m	EN 1177

##### Drainage and isolation

Water infiltration rate [I <sub>A</sub> ]	36000	mm/hr	EN 12616
Thermal conductivity [λ <sub>10</sub> ]	0.05	W/m.K	EN 12667
Thermal resistance [R]	1140	m <sup>2</sup> .K/W	EN 12667

The provided information is, to the best of our knowledge, true and accurate (at the time of revision). This information is based on (independent) measurements and (where possible) based on average values, measured over a long and representative period. Additional information (e.g. additional characteristics, specific (independent) reports or statistical analysis) is available upon request. Schmitz Foam Products is allowed to change this information and/or the product (without notice) and assumes no legal responsibility for use of and/or reliance on this information.