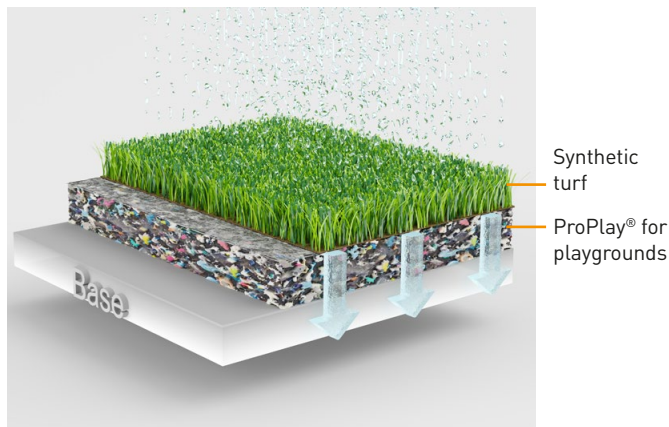


## GENERAL INFORMATION



Synthetic turf system with ProPlay® for Playgrounds fall protection pad



Puzzle shaped ProPlay® for Playgrounds fall protection pad

## Product description

**ProPlay® for Playgrounds** is designed to provide fall protection for playing children and other playground users against head injuries.

ProPlay® for Playgrounds is made of thermal bonded (closed-cell) crosslinked polyethylene foam (XLPE). This foam originates from production remnants and overruns and contains no contaminants.

ProPlay® for Playgrounds is a vital part of the synthetic turf system for playgrounds. The product performs in all weather conditions and is renowned for its excellent water permeability.



Product	Sheets per pallet	ft² per pallet
PP-25	42	915.47
PP-35	31	675.76
PP-45	25	544.98
PP-55	20	435.94

Dimensions and pallet information for ProPlay® for Playgrounds fall protection pad

## ENVIRONMENT, HEALTH AND SAFETY CREDENTIALS

Cross-linked polyolefins are chemically stable by nature. Any compounds contained in the material will not be released during the lifetime of the product. ProPlay® can be safely used for any synthetic turf system. The products do not leach chemicals that pose a risk for the environment and/or human health.

ProPlay® for Playgrounds complies with:

- The state of California's Code of Regulations (CCR):
  - Title 22 'Social Security' – Division 4.5 'Environmental Health Standards for the Management of Hazardous Waste'.
  - Title 27 'Environmental Protection' - Division 4 'Office of Environmental Health Hazard Assessment' - Chapter 1 'Safe Drinking Water and Toxic Enforcement Act of 1986' (Proposition 65).
- Synthetic Turf Council:
  - STC Performance and Durability Guidelines for Shock Pads.
  - STC Toxicology requirements.
- The European Community:
  - Regulation No 1272/2008 of the European Parliament and of the Council on Classification, Labelling and Packaging of substances and mixtures (CLP).
  - Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

## TECHNICAL DATA

Physical characteristics	Proplay®-25 Value (Tolerance)	Proplay®-35 Value (Tolerance)	Proplay®-45 Value (Tolerance)	Proplay®-55 Value (Tolerance)	Unit	Standard
Thickness at 2 kPa load	1.06 (+/- 0.079)	1.46 (+/- 0.079)	1.85 (+/- 0.079)	2.24 (+/- 0.079)	mm	EN-ISO 9863-1*
Mass per unit area	0.75 (+/- 0.113)	0.76 (+/- 0.114)	0.94 (+/- 0.141)	1.11 (+/- 0.167)	kg/m <sup>2</sup>	EN-ISO 9864*

\* As modified by Schmitz Foam Products

Performance characteristics	Proplay®-25 Value	Proplay®-35 Value	Proplay®-45 Value	Proplay®-55 Value	Unit	Standard
Force reduction	65	74	77	79	%	AAA**
Vertical deformation	9	13	14	15	mm	AAA**
Critical fall height (Head Injury Criterion ~ 1000)	3.0	4.3	5.5	6.4	ft	ASTM F 1292 (EN ISO 1177)***
Water flow rate under 2 in (51 mm) hydraulic head	14.7	14.7	14.7	14.7	gpm/ft <sup>2</sup>	ASTM D 4491 (EN ISO 11058)
(resulting) Water permeability by permittivity	8.0	10.9	13.8	16.8	gpm/ft <sup>2</sup>	ASTM D 4491 (EN ISO 11058)
Thermal conductivity [λ10]	0.03	0.03	0.03	0.03	BTU/h. ft.°F	ASTM C 177 (EN 12667)
(resulting) Thermal resistance [R-value]	3.1	4.2	5.3	6.5	h.ft <sup>2</sup> .°F/ BTU	ASTM C 177 (EN 12667)

\*\* Advanced Artificial Athlete

\*\*\* Shock pad only. For values for typical synthetic turf systems, please contact us.



by Schmitz Foam Products

Product data sheet



## INSTALLATION DISCLAIMER

- Installation of ProPlay® for Playgrounds must be done under the code of good workmanship. Schmitz Foam Products LLC does not accept any liability for the design, or construction of any facilities, or actions of any parties employed, as a result of, or in connection with, any information provided in this document.
- It is recommended that the subbase is designed and approved by an architect or civil engineer, based on the geotechnical and meteorological conditions of the site and any (local) restrictions to the drainage discharge.
- Although ProPlay® for Playgrounds can be installed on any kind of subbase, as long as the construction itself is strong enough to hold installation and maintenance equipment, it is advised that the subbase has a minimum undrained shear strength of at least 1044 lbf/ft<sup>2</sup> (BS 1377, part 7) or a minimum California Bearing Ratio of 5% (BS 1377, part 4) or equivalent.
- The planarity of the base should be within 3/8 in under a 10 ft straight edge.
- It shall be noted that ProPlay® for Playgrounds - like any other foam shock pad - will expand/contract under the influence of changes of temperature; to prevent unnecessary shrinkage after completion of the installation, the ProPlay® for Playgrounds recommended installation method must be used in its entirety!
- The textile of the ProPlay® for Playgrounds should not be exposed to UV-radiation (i.e. daylight) for more than 1 month.
- It is advised to install the synthetic turf within 1 week after installation of the ProPlay® for Playgrounds.
- The synthetic turf shall not be glued (or in any other way be attached) to the ProPlay® for Playgrounds, since the ProPlay® for Playgrounds needs to be able to expand/contract without any hampering.
- It is strongly recommended to stabilize the synthetic turf with at least ~3.1 lbs/ft<sup>2</sup> of sand, or (preferably) to use a turf with a fiberglass reinforced backing.
- In any case, it is advised to fix the turf to the perimeter of the playground area (according to the guidelines of the turf supplier).
- During installation of the ProPlay® for Playgrounds or after installation (when installing and filling the synthetic turf) it is allowed to drive over the ProPlay® for Playgrounds with installation equipment/machines. The load (per tire) of the installation equipment shall be less than 40 psi for short time frames (e.g. driving over the surface). Vehicles that are temporarily parked on the surface should have a load of less than 20 psi per tire.

## GENERAL DISCLAIMER

- This ProPlay® product data sheet provides general product properties and is not related to specific sportfield and playground installation regulations. Relevant ProPlay® shock pad installation instructions can be found in the ProPlay® installation recommendation guide. Please note there are separate installation manual for ProPlay®-Sport and ProPlay® for Playgrounds products.
- The given information is based on (independent) measurements and (where possible) based on average values measured over a long and representative period. Additional information can be made available upon request.
- Great attention to the accuracy of this document was taken during its compilation. This publication supersedes and replaces all previous datasheets. Schmitz Foam Products LLC cannot, however, guarantee the total accuracy of the information included. If you have any doubts or further questions please do not hesitate to contact us by phone 517-781-6620.

Schmitz Foam Products LLC is the global supplier of ProPlay®, the perfect shock and drainage pad for high-quality synthetic turf systems in sports and playgrounds.



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