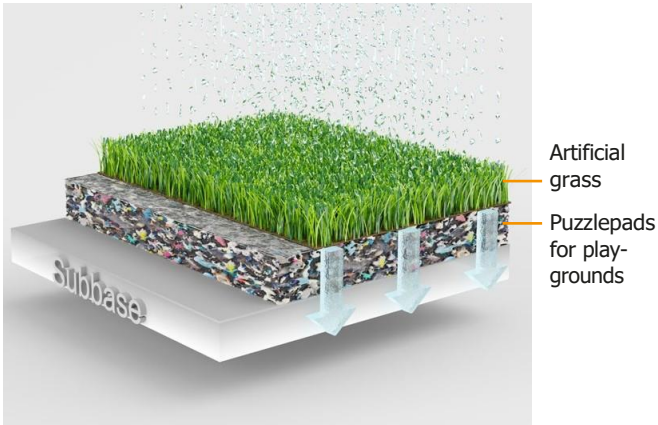


GENERAL INFORMATION



Artificial grass system with Puzzlepads for Playground fall protection.



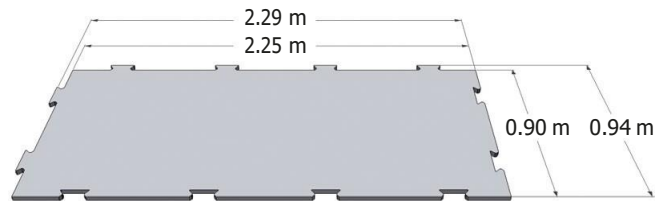
Puzzle shaped Puzzlepads for Playgrounds fall protection pad

Product description

Puzzlepads for Playgrounds is designed to provide fall protection for children and other playground users.

Puzzlepads for Playgrounds is made of thermal bonded (closed-cell) crosslinked polyethylene foam (XPE). This foam originates from production residues and contains no contaminants.

Puzzlepads for Playgrounds is a vital part of the artificial grass system for playgrounds. The product performs in all weather conditions and is renowned for its excellent water permeability.



Product	Sheets per pallet	m ² per pallet
PP-25	42	85.05
PP-35	31	62.78
PP-45	25	50.63
PP-55	20	40.50

Dimensions and pallet information for Puzzlepads 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. Puzzlepads can be safely used for any artificial grass system. The products do not leach chemicals that pose a risk for the environment and/or human health.

Puzzlepads for Playgrounds complies with:

- 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).
- 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).

TECHNICAL DATA

Physical characteristics	25mm Value (Tolerance)	35mm Value (Tolerance)	45mm Value (Tolerance)	55mm Value (Tolerance)	Unit	Standard
Fall Height	1.3*	1.7*	2.1*	2.4*	meter	
Thickness at 2 kPa load	27 (+/- 2)	37 (+/- 2)	47 (+/- 2)	57 (+/- 2)	mm	EN-ISO 9863-1*
Mass per unit area	2.7 (+/- 0.41)	3.3 (+/- 0.50)	4.0 (+/- 0.60)	4.6 (+/- 0.69)	kg/m ²	EN-ISO 9864*

*Test performed with shock pads and artificial grass with 25 kg of sand/m²

Performance characteristics	25mm Value	35mm Value	45mm Value	55mm Value	Unit	Standard
Force reduction	70	75	78	81	%	AAA**
Vertical deformation	11	13	14	15	mm	AAA**
Critical fall height (Head Injury Criterion ~ 1000)	0.8	1.3	1.7	2.0	m	EN 1177
Thermal resistance (R-value)	0.54	0.74	0.94	1.14	m ² .K/W	EN 12667
Water infiltration rate [IA]	36,000	36,000	36,000	36,000	mm/h	EN 12616

Test performed with shock pads without artificial grass