

Absorption surface and draining surface Ezpad (Shock Pad)

Certified test report

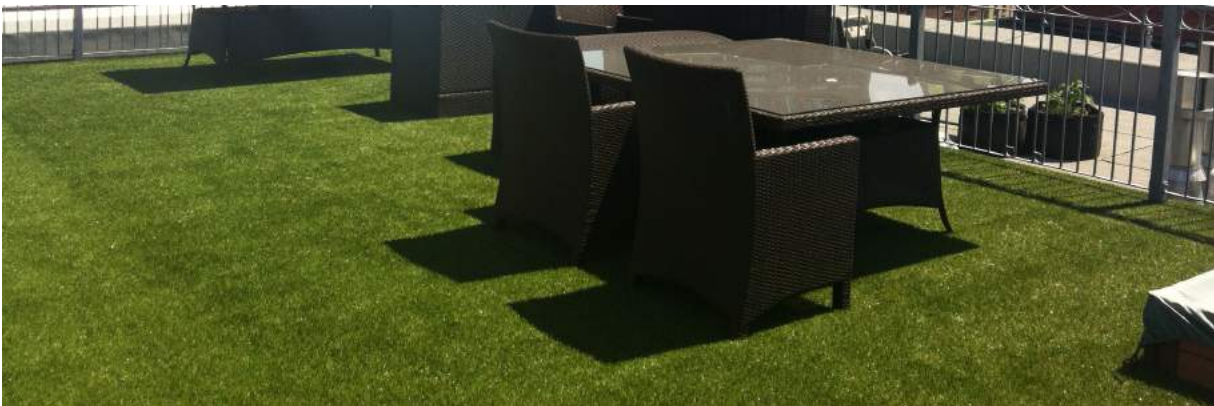


Utilities

The Shock Pad Ezpad is designed as an absorption surface for playgrounds and sports fields install under the artificial grass. In addition to the technical features, the Ezpad ensures an adequate drainage of water, in case the synthetic turf system is built on a sealed sub base or not. The Ezpad is also used for rooftop terraces to offer comfort and unequaled drainage.

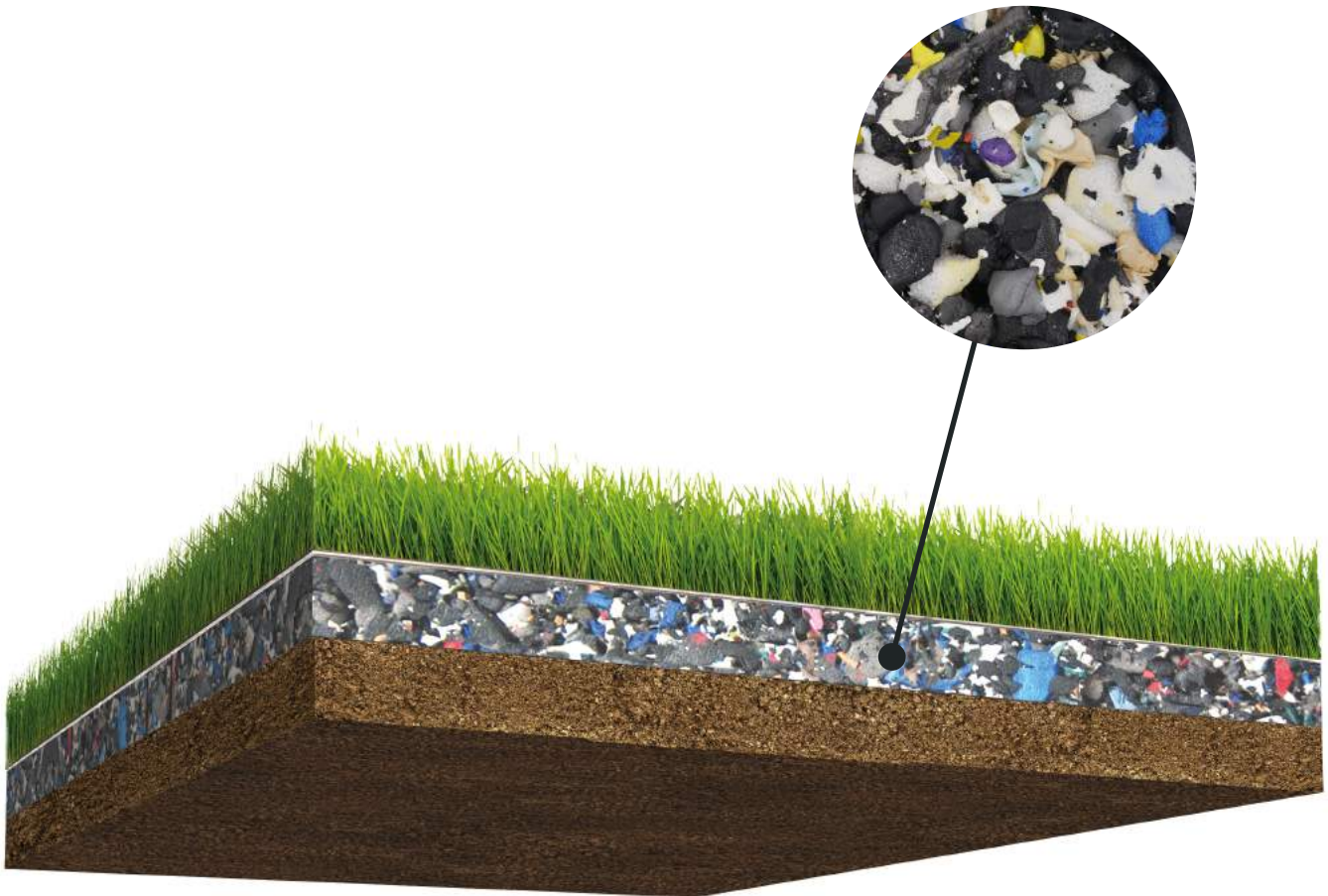
- ✓ PLAYGROUND AREA, PUBLIC PARK
- ✓ ROOFTOP TERRACES
- ✓ SPORTS FIELD





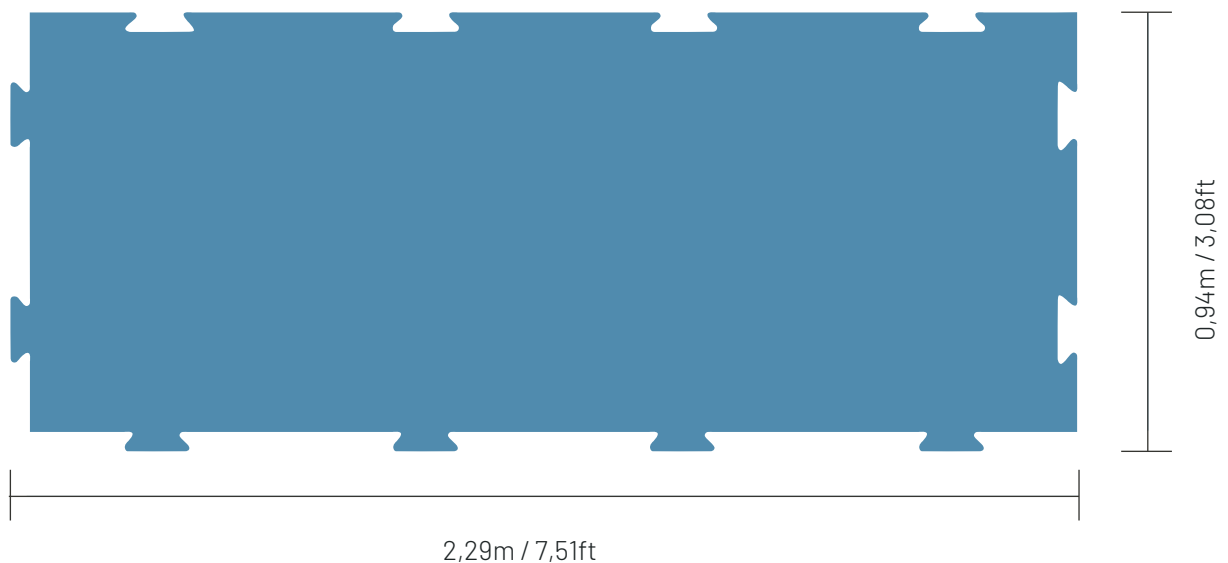
Ezpad advantages:

- Attracts less heat than rubber granule.
- Increased shock absorption and reduces the risk of player injuries.
- Not abrasive
- No aggregate is found in schools, uniforms and in the mouth of the players.
- Free of hazardous materials. LEED FREE
- Safe for the health of players.
- Effective drainage.
- Meets international standards industry. CSA and ASTM
- Competitive price



Dimensions :

The absorption surface Ezpad is made with a puzzle-shaped to make the installation very quick and easy. The parts are equipped with expansion joints to ensure durability for your project. Compared to the other absorption surface on the market without the puzzle system, the ezpad does not need some seaming tape between the sheets and cannot move under the synthetic surface. The Ezpad is the most stable under layer.



Physical Characteristics:

The Ezpad is a thermal assembly of polyethylene crosslinked foam (PEX). The foam comes from production residues and contains no contaminants. The Ezpad is tested for microbiological resistance 9 according to EN 12225 resistant to: climatological conditions (according to EN 12224), oxidation (according to EN ISO 13438), acidic and alkaline liquids (according to EN 14030). The PEX durability forecast is 100 years minimum (according to ISO / TR 13434).

The Ezpad is tested for abrasion using the Lisport test. Even after 65,000 cycles of Lisport (30 * years of use on average), there is little difference in the technical characteristics of sport (SA, VD, HIC).

Ezpad is tested for aging according to EN 13744 and EN 13817. The aging test has virtually no influence on the dimensional characteristics of Ezpad.

Eco-Friendly product:

The product is made from 100% recyclable raw materials, without glue or additives. In addition, the Ezpad is 100% recyclable after its use.



Test report on the fall heights:

The Ezpad absorption surface range includes the following types:

Shock pad model	Thickness (mm)	Density (kg/m³)
Ezpad 25 mm	27	130
Ezpad 45 mm	47	85

All the artificial grass were tested without sandfilling, the Paradise type was also tested with fill sand to show the positive effect of filling (sand) on the critical fall height.

Type of Artificial Grass	Pile Height (mm)	Density (oz)
 <p>PolyGreen</p>	13	40
 <p>Paradise</p>	40	58
<p>Paradise with 3 lbs /sq/ft with an infill of silica sand</p>	40	58
 <p>Elite Cool Grass</p>	60	120

Procedure : The following test procedure was used by combination:

- Measurement of Gmax and HIC, from 3 (relevant) drop heights - with 3 impacts per height of fall - with a "fresh" position by drop height;
- Calculation of the average Gmax and HIC of the 2nd and 3rd impact (by height of fall);
- Determination of the critical drop height - interpolation (graph) from 3 drop heights - based on Gmax = 200 or HIC = 1000.

For measurements, an Alpha Automation Triax2000 Surface Impact Tester was used (<http://www.alternation-automation.com/playground-surface-impact-testers.html>); this tester meets both ASTM F1292 (and ASTM F355 E) and EN 1177. Note: ASTM F1292 requires testing at 25, 72 and 120 ° F (-6, 23 and 49 ° C). Since the influence of temperature on the critical drop height of a synthetic grass system with an Ezpad absorption surface is low (*), the tests will only be performed at room temperature (approximately 72 ° C). F). and higher temperatures will have a negative effect on lower thicknesses.

The following critical fall heights in centimeter (cm) were achieved :

Type of Shock Pad	Type of artificial grass			
	PG Poly Green	P Paradise	P+S Paradise + Sand	ECG Elite Cool Grass
Ezpad 25 mm	114	118	126	125
Ezpad 45 mm	202	206	231	165



Drainage Graph

Drainage distance (m) versus rainfall (mm/h) at different gradients. Measured according to the LND method.

