

# SHOCKPAD/14

BY BROCK

## Specification & Typical Properties

<b>Product Number</b>	SP14
<b>Material Type</b>	Expanded Polypropylene Composite containing up to 23% by volume pre-consumer and/or reground post-consumer recycled material
<b>Part Format</b>	Interlocking panel
<b>Part Size, nominal net coverage</b>	15.9 sq ft per panel (1.48 sq m)
<b>Material Density, nominal</b>	3.85 lbs / cubic ft (61.7 g per l)
<b>Part Thickness, nominal</b>	0.55 in (14 mm)
<b>Part Length, nominal</b>	57.6 in (1463 mm)
<b>Part Width, nominal</b>	43.8 in (1112 mm)
<b>Part Weight, nominal</b>	2.8 lbs per panel

Property	Typical Value	Specification	
<b>Tensile Strength</b>	52 psi	> 45 psi	ASTM D3575-08
<b>Tensile Elongation</b>	19%	>10%	ASTM D3575-08
<b>Vertical Permeability</b>	1000+ in / hr	> 300 in / hr	ASTM F1551: DIN 18-035, Part 6
<b>Linear Thermal Expansion</b> per 1° C change	0.0833 mm/m	< 0.12 mm/m	ASTM D696-03
<b>Compression Strength</b> @ 25% strain @ 50% strain @ 75% strain	32 psi 54 psi 116 psi	> 25 psi > 40 psi -	ASTM D3575-08
<b>Compression Set – static load</b> (35 psi, 900 sec at 23°C, meas. after 48 hrs)	15% (0.11 in)	< 5%	Brock test protocol
<b>Compression Set – repeated impacts</b> (95 psi, repeated load, 10,000 cycles, after 24 hrs)	6.0% (0.031 in)	< 15%	Brock test protocol
<b>Friction Coefficient</b> movement of artificial turf over 50mm maximum force average force	2.44 lbs max force 1.35 lbs avg force	> 1.80 lbs max force > 1.00 lbs avg force	Brock test protocol
<b>Microbiological Analysis</b> bacteria resistance fungi resistance	No growth No growth	No growth No growth	ASTM G22-76 ASTM G21-96