

REGUPOL®

ABZORB™

Shock Pad Performance and Safety You Can Trust



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Regupol® Abzorb

GMAX
84 - 112

FORCE
REDUCTION
65%

Along with the high shock absorption & GMAX values of Regupol Abzorb Shock Pad, it allows for superior water infiltration that is essential to the design of synthetic fields.

VERTICAL
PERMEABILITY
> 100 IN/HR



Ephrata War Memorial Field

Quality that is long lasting.

Our manufacturer's warranty allows schools and owners to have the peace of mind that their investment is protected for years – without jeopardizing the athletes' safety that use their fields.

Area: 135,000 square feet

Regupol® Shock Pad: 10mm Abzorb

Installation by: Sprinturf, Atlanta, GA

- Average lifecycle of the Abzorb Shock Pad is up to 3 turf fields over top
- Fields without shock pads continuously digress in Gmax ratings
- Fields with a shock pad maintain the Gmax rating from day 1 to year 17 — ensuring safety for the athlete
- Gmax of a field with a shock pad is most comparable to a natural grass field



Product Specifications

Product Form

Standard Thickness: 8mm, 10mm & 12mm

Weight per SqFt.: 1.04 lbs. (8mm), 1.3 lbs. (10mm), 1.56 lbs. (12mm)

Standard Width: 48"

Custom Thicknesses: Available upon request.



Test	ASTM	Regupol Abzorb 8mm	Regupol Abzorb 10mm	Regupol Abzorb 12mm
Vertical Permeability	ASTM F1551	> 100 in/hr (Infiltration BS EN 12616)	> 100 in/hr (Infiltration BS EN 12616)	> 100 in/hr (Infiltration BS EN 12616)
Compression Strength	ASTM D3575-08			
at 25% strain		92.47%	90.83%	91.44%
at 50% strain		89.50%	90.27%	88.21%
at 75% strain		90.63%	89.36%	92.50%
Density	ASTM D3676	34 lbs./cu.ft.	34 lbs./cu.ft.	34 lbs./cu.ft.
Lateral Transmissivity (0.5% slope)	ASTM D4716	0.01 gal/min/ft	0.01 gal/min/ft	0.01 gal/min/ft
355A "Flat" Gmax	ASTM F355A	92 – 112	90 – 110	84 – 104
355A "Flat" HIC	ASTM F355A	315	309	286
Force Reduction	AAA	65%	65%	65%
Vertical Deformation	AAA	9.3mm	9.6mm	9.6mm
Energy Restitution	AAA	38%	36%	40%
Rotational Resistance	EN15301	37N	39N	37N
Ball Rebound	EN 12235	0.85m	0.81m	0.92m
Tensile Strength	ASTM D412	> 50 psi	> 50 psi	> 50 psi
Tensile Elongation at Break	ASTM D412	> 55%	> 55%	> 55%
Compression Set B	ASTM D395	< 18%	< 18%	< 18%
Coefficient of Friction (Movement of artificial turf over 50mm)	ASTM D2047	1.0 G	1.0 G	1.0 G
Microbiological Analysis	ASTM G21-96	No growth 1-14 days	No growth 1-14 days	No growth 1-14 days
Temperature Resistance		-40°C to 115° C	-40°C to 115° C	-40°C to 115° C



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