

EMBRACE THE POWER



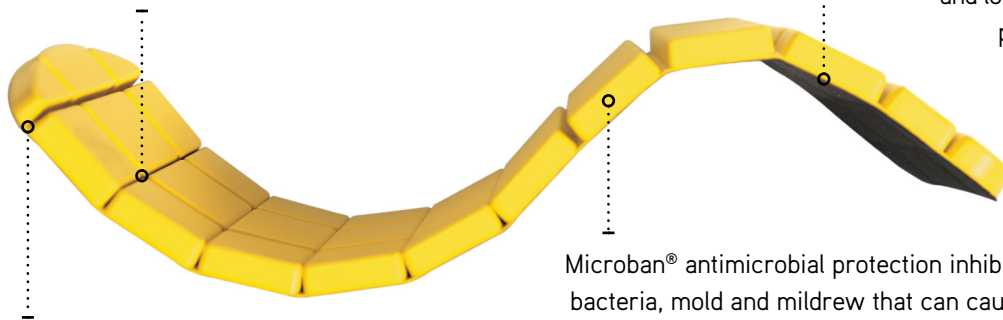
PORON[®] XRD[™] Extreme Impact Protection B-Guard Back Protector

Enhance your product designs with the B-Guard Back Protector with PORON[®] XRD[™] Materials. This ready-to-use molded shape offers all of the benefits that you have come to rely on from PORON XRD Extreme Impact Materials, and is an easy product design solution.

PORON XRD Materials offer consistent, repeatable impact absorption for dependable performance and protection

that will save you in a fall. On impact, the PORON XRD Material creates a unique protective shield that can absorb up to 90% of the most intense force.* The PORON XRD B-Guard Back Protector is especially well-suited for use in the design of equestrian and motorsports as well as protective apparel for any sport where there is risk of rear impact to the torso.

Channels allow air and moisture to move freely for breathability.



Built-in grooved hinges for contouring that is soft, flexible and comfortable.

A slim, comfortable design, providing lightweight and low-profile impact protection.

Microban[®] antimicrobial protection inhibits the growth of bacteria, mold and mildew that can cause stains, odors and product deterioration. This built-in technology won't rub, wear or wash away.

*As measured according to ASTM-F1614-C

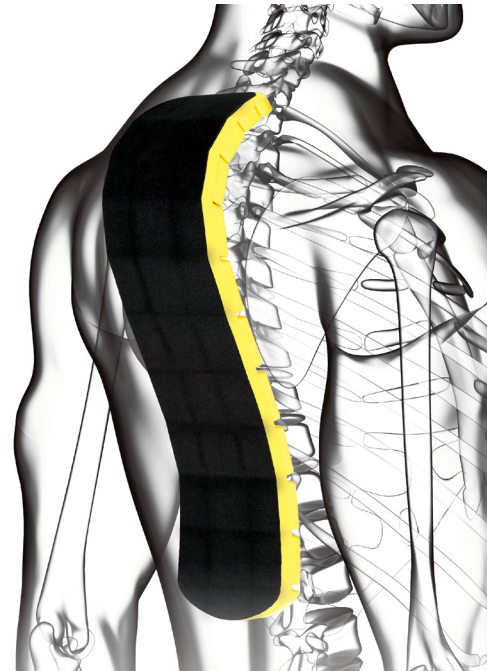
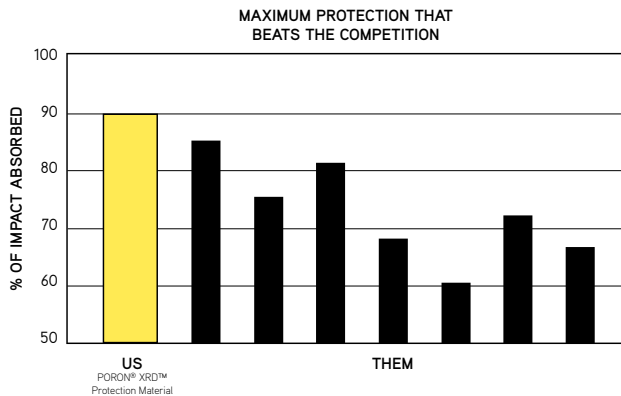


Chart Description

PORON XRD material has been tested to absorb up to 90% of the energy from impact, surpassing performance of current impact absorbing materials in various applications.

In many cases, PORON XRD material is thinner, more flexible and less dense than competitive materials, thus helping to not weigh down the athlete or hinder performance!

PORON[®] XRD[™] Extreme Impact Protection – PRELIMINARY Physical Properties

PROPERTY	TEST METHOD	PRODUCT
*DENSITY, lb. / ft³		22
Specific Gravity		0.35
Tolerance, %		17.8 - 26.2
*COMPRESSION SET, % max.	ASTM D 3574 Test D @ 158°F (70°C)	< 10
ANTIMICROBIAL PROTECTION	AATCC TM90	PASS
	JIS Z 2801	
	AATCC TM30(iii)	
HARDNESS, Durometer, Asker C	Based on ASTM D 2240-05	50-75
IMPACT ABSORBENCY	EN 1621-2 (motorsports) EN 13158 (equestrian)	PASS

*ASTM F1614-C. Flat Surface Impact Test, Single Drop, 8.5 kg mass, 1.0 m/s Velocity. All metric conversions are approximate. Additional technical services are available. Information listed based on typical physical properties.

B GUARD STYLE	PRODUCT DIMENSIONS (LENGTH X WIDTH X THICKNESS) (IN)	17.5" x 5" x 0.5" (444.5 mm x 127 mm x 12.7 mm) Length can be customized by cutting the lower pods off (Includes fabric backing and film on front)
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During application use, it is recommend to place the PORON XRD B-Guard with the grooved side against the body, foot, etc. The grooved hinges are designed to flex inward during motion. The PORON XRD B -Guard graphics are for visual representation.

For additional information regarding fabric coverings or product availability please contact your Rogers Customer Service Representative.