

GAL DOUBLE WAVE SOLUTION

The patent pending GAL system designed in a flexible geometric structure of waves absorbs and redirects the kinetic energy. The structure, comprising flexible internal and external layers of HDPE & O-foam is coated with Abrasion Resistant and/or Fire-retardant fabric.

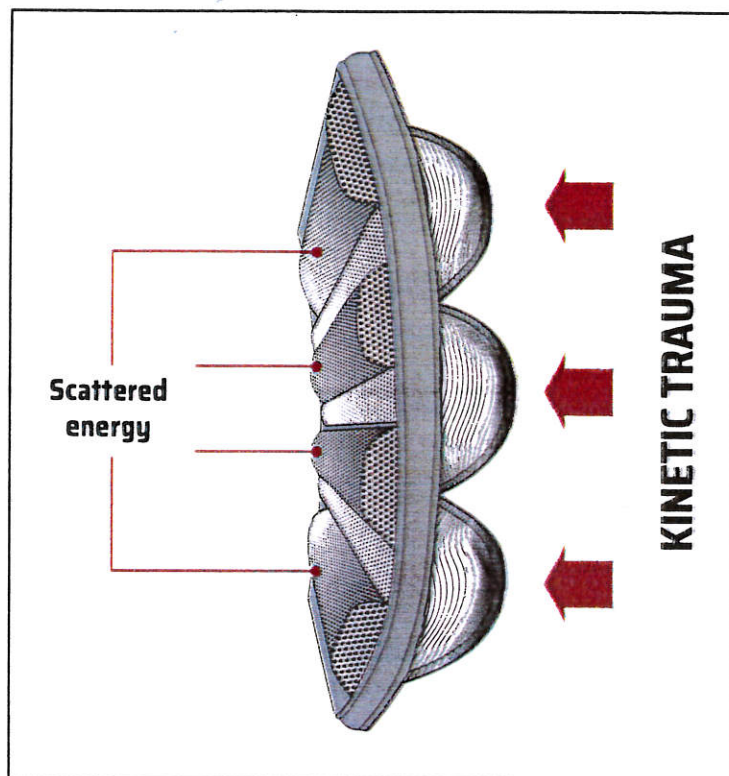
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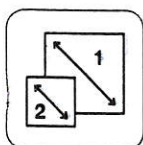
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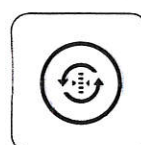
MAIN ADVANTAGES



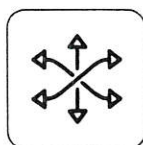
Flexible material



Sizes
XS-L & XL-3XL



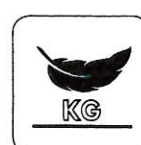
Multiple configurations



Versatile



VPAM KDIW
Level 3/5



Ultralight
4.9kg - W3
5.9kg - W5




Molle



Breaking impact
1000N



NIJ
Helmet / Plates


 VPAM Association of test laboratories for bullet resistant materials and constructions	Test Standard "Stab and Impact Resistance" - Requirements, classifications and test procedures -	VPAM KDIW 2004 Edition: 18.05.2011
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8 Testing of Impact Resistance against Throwing and/or Striking Object with Edges (Block)

Table 4. Classification and Test Conditions

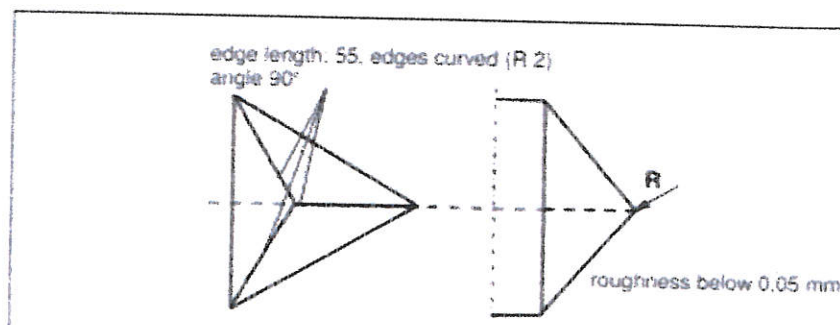
Class (block)	Impact point	Strike energy [J]	Angle incidence [degrees]	of Average deformation depth [mm]
W 1	area	15	90	< 20
	seam			
	overlap			
W 2	area	25	90	< 20
	seam			
	overlap			
W 3	area	40	90	< 20
	joint			
	overlap			
W 4	area	65	90	< 20
	seam			
	overlap			
W 5	area	100	90	< 20
	seam			
	overlap			

The classes termed as W 1 to W 5 in Table 4 are arranged in ascending order according to their impact resistance. Class W 1 offers the least, Class W 5 the highest resistance against a throwing or striking object with edges (block). When the impact-resistant material has fulfilled the criteria for a specific protection class, it is deemed to meet to the class or classes below it.

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8.1 Test Tool Block (Edge of a Block)

Drawing No 3. Block (edge of a block)



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Block	Tolerances: (unless otherwise stated) ± 0.25 mm	Material: Steel, hardened and tempered 55 ± 5 Rockwell C	Scale: not to scale dimensions in mm
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