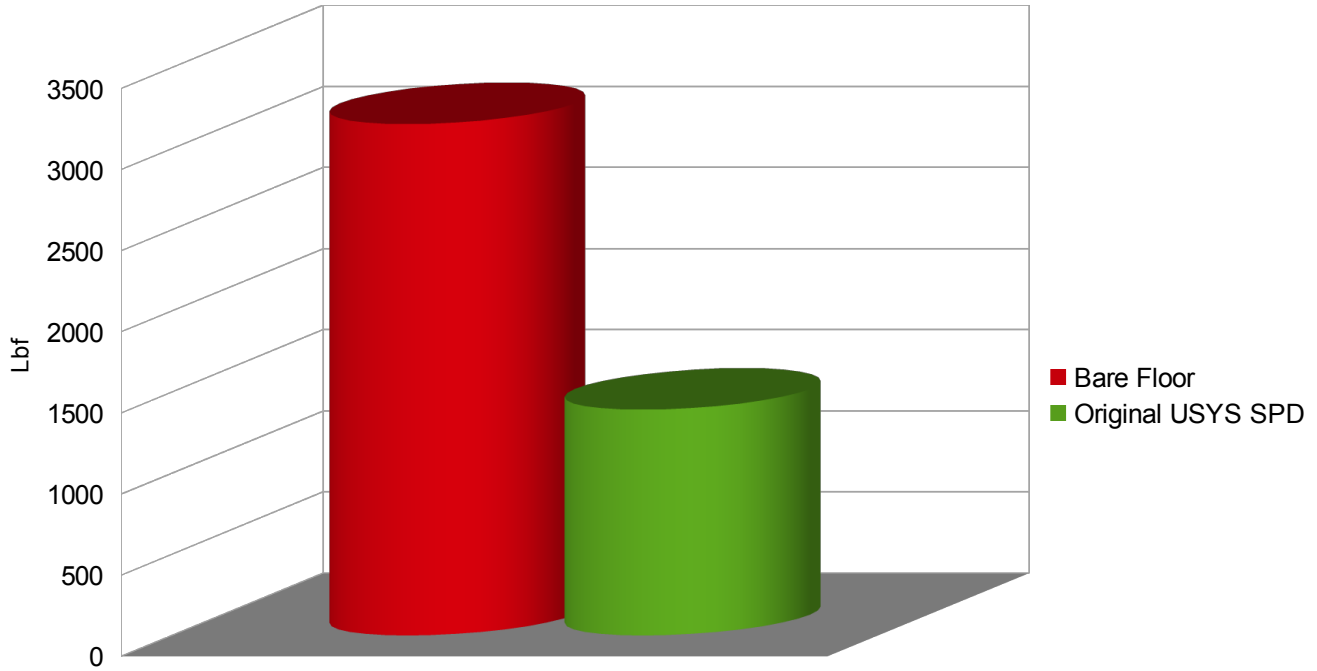


# Force Protection

by US Youth Sports

US Youth Sports offers custom impact/blast mitigation products for retrofitting into almost any armored vehicle, with the focus on increased crew survivability. Our blast mats have passed USMC blast testing for the MRAP series of vehicles, “With USYS SPD you can walk away from a blast.”



Tibia Force Lft High load case 85mm Travel in 6ms

## Blunt Impact Summary ACH helmet 3/4" pads vs USYS thinner lighter pads

	BLU Pads*	MSA Pads*	Skydex Pads*	Team Wendy*	USYS**
<b>10 FPS Impact</b>					
Avg Peak G Cold	115.52	95.88	102.16	85.36	93.18
Max Peak G Cold	164.4	132.9	135	103.6	117.1
Avg Peak G Amb	74.63	99.97	99.97	85.13	86.07
Max Peak G Amb	102.2	160.3	160.3	115.5	103.2
Avg Peak G Hot	131.34	118.39	118.39	94.9	79.16
Max Peak G Hot	277.8	210.7	210.7	161.9	100.4
<b>14.1 FPS Impact</b>					
Avg Peak G Cold	155.28	175.09	180.13	142.32	147.72
Max Peak G Cold	264.7	402.2	311.1	205.6	193.9
Avg Peak G Amb	161.55	217.89	241.82	147.47	142.47
Max Peak G Amb	265.9	500	445.8	233.3	216.6
Avg Peak G Hot	278.56	301.58	291.25	193.49	157.81
Max Peak G Hot	495.6	500.7	495	421.8	318

\* USAARL test results

\*\* US Army test results 15 helmets impacted 14 times each for a total of 210 impacts