



**TEST SAMPLE**

Manufacturer : LAM ENTERPRISE  
 Model : ARMOR-SP  
 Size : LARGE  
 Construction : PROPRIETARY

Weight : NA

Date Rec'd : 7/16/2008  
 Via : DHL  
 Returned : DHL

**SET-UP**

Upper Drop Mass (g) : 1259  
 Lower Drop Mass (g) : 652

D Time Base (mm) : 30.0  
 Standoff Distance (mm) : 12.7

Test Personnel : FITTS / HEIL  
 Temperature (F) : 70  
 Rel. Humidity (%) : 69

No.	Sample Description	Blade (P1, S1, Spike)	Angle (deg.)	Desired Energy		Drop Height		Time (ms)	Impact Energy (J)	Penet. (mm)	Remarks
				Level	J	(ft.)	(in.)				
1	SP/XPS-STBR	SPIKE	0	NA	3	0	6.30	18.2739	3.07	0	
2	SP/XPS-STBR	SPIKE	0	NA	5	0	10.50	13.5493	5.20	0	
3	SP/XPS-STBR	SPIKE	0	NA	7	1	2.70	11.5215	6.98	0	
4	SP/XPS-STBR	SPIKE	0	NA	9	1	6.90	10.0167	9.08	0	
5	SP/XPS-STBR	SPIKE	0	NA	11	1	11.00	9.0072	11.12	0	
6	SP/XPS-STBR	SPIKE	0	NA	13	2	3.50	8.2691	13.09	0	
7	SP/XPS-STBR	SPIKE	0	NA	15	2	7.50	7.6837	15.08	0	
8	SP/XPS-STBR	SPIKE	0	NA	17	2	11.70	7.2960	16.66	0	
9	SP/XPS-STBR	SPIKE	0	NA	19	3	3.90	6.8875	18.63	0	
10	SP/XPS-STBR	SPIKE	0	NA	21	3	8.10	6.4801	20.99	0	
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**NOTES**

**DEFINITIONS**

Per NIJ-STD-0115.00, sample fails if E1 penetration > 7mm or E2 penetration > 20mm  
 Upper Drop Mass includes weight of 2 foam disks; Lower Drop Mass includes weight of test implement  
 D Time Base is distance between velocity sensors  
 Standoff Distance is measured from blade tip to armor surface when drop mass is at 0 position  
 (just breaking bottom velocity sensor beam)