



Test Sequence	Test Implements	Impacts	Sequence Time (seconds)	Class Achieved	Notes
1	Ball Peen Hammer	10	22	1.0	One technician delivered 10 impacts with a Ball Peen Hammer, no penetration or openings were created.
2	Ball Peen Hammer	10	24	1.1	A second technician delivered 10 additional impacts with a Ball Peen Hammer, no penetration or openings were created.
3	1 ½" Diameter Pipe / 12-lb Sledge	25	174	1.2	One technician held the pipe while one technician swung a 12-lb sledge hammer. The pipe was held at different angles to evaluate the resistance of the sample to both puncture and gouging.
4	Extinguisher, C02	NA	60	1.3	Extinguisher fully discharged for 60-seconds. This step is designed to freeze the materials, mimicking cold weather and making the components more brittle for subsequent attack. Other products in the market avoid this step.
5	Sledge Hammer	19	44	1.4	Immediately after discharging the extinguisher in Test Sequence 4, 19 impacts were delivered to the sample utilizing a Sledge Hammer. Testing was terminated after the 19 th impact as the opening created in the sample allowed Body Passage per IAW ASTM F1233-08 Section 10.2.4.2.

Class Achieved: ASTM F1233 Class 1.3

Test Duration: 6 Minutes, 47 Seconds