

LP® SmartSide® Siding More Resistant to Impact Damage

To help prove the superior durability of LP SmartSide Siding, LP Building Products asked the National Aeronautics and Space Administration (NASA) to evaluate the impact damage resistance of both engineered wood siding from the LP SmartSide brand and fiber cement siding.

Impact damage resistance was compared by impacting each type of siding with golf balls and baseballs, which could accidentally hit the side of a house, as well as marbles and rocks, which could be thrown from a lawn mower.

High-speed video cameras were used to measure projectile speeds and view damage to the siding.

The NASA Evaluation Found:

“Under similar conditions, with all four projectiles more damage was sustained by the fiber cement siding product than the engineered wood siding product.”

Baseball	Fiber Cement		LP SmartSide	
	72.8 mph		77.7 mph	
	Large hole		No damage	
Golf ball	Fiber Cement		LP SmartSide	
	49.4 mph		63.8 mph	
	Dent on front, hole and fragmenting on back side		No damage	
River Rock	Fiber Cement		LP SmartSide	
	91.8 mph		107.7 mph	
	Dent on front, fractured and deformed surface on back		Small dent on front	
Marbles	Fiber Cement		LP SmartSide	
	120.8 mph		114.5 mph	
	Multiple dents on front, back side fractured		Small dents on front	

Video of the NASA evaluation can be found at [LPSmartSide.com](https://www.LPSmartSide.com).