

## **NuPoly<sup>®</sup> Impact Flooring**





Versus (At 4,112 cycles)



## **SUMMARY**

This report compares surface performance characteristics of NUDO NuPoly Impact Flooring panels against Coated Surface Layer Flooring panels. A taber test (ASTM D4060) was administered to measure the number of wear cycles completed until initial damage to the surface layer was observed, providing an indication of abrasion resistance characteristics. This comparison was designed to provide a guide for choosing flooring panels that meet the application demands of surface durability and long-term performance.

Machine Settings	Test Wheels	Wheel Weight (g)	Machine Speed	Vacuum %	Taber Test (ASTM D4060) (All tests ran with the same machine settings)	
Settings	CS-17	1000	72	100%		
Panel	Sample#	Cycles	Groove Depth (in)	Run Time (min)	Images	
Nudo	1	2,200	0.00236	30		
	2	4,400	0.00443	61		
	3	20,000	0.01288	279		



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## **NuPoly<sup>®</sup> Impact Flooring vs. Coated Surface Flooring**

Machine Settings	Test Wheels	Wheel Weight (g)	Machine Speed	Vacuum %	Taber Test (ASTM D4060) (All tests ran with the same machine settings)	
	CS-17	1000	72	100%		
Panel	Sample#	Cycles	Groove Depth (in)	Run Time (min)	Images	
Coated	1	2,200	0.00351	31		
	2	4,400	0.00535	61	FAILURE	

Linear Failure Point (100% surface wear)	Sample	Cycles	Surface Thickness (in)	Results
Nudo Panel	Failure Point	155038	0.100	Requires approximately 155,038 cycles to wear through all of NuPoly's 0.100" surface layer. This performs 37.7x better than coated panel.
Coated Panel	Failure Point	4112	0.005	Required 4,112 cycles to wear through all of coated panel's 0.005" surface layer.

## **RESULTS**

The comparison reflected "real life" performance and durability, and concluded that NUDO NuPoly Impact flooring panels will have 37.7 times more useful life when compared to coated flooring panels.



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