

# Pentadecor® 3D laminate films wear and impact resistance compared to high pressure laminate and thermally fused melamine



Ideally suited for applications demanding superior wear and impact resistance, Pentadecor® 3D laminate films outperform HPL and TFM materials in abusive environments. Pentadecor® 3D laminates allow for seamless edges and safe corners that will not chip, crack or delaminate like HPL and TFM edge banded panels.

Pentadecor® 3D laminates are a versatile and durable option for many applications. Creating seamless designs with shape, beauty and functionality can be achieved cost effectively with Pentadecor® 3D laminates.

NEMA LD3-2005 Test Method

	3.8 Ball Impact	3.13 Wear Resistance
Pentadecor® kpExtreme™ solid <sup>1</sup>	118" (3000mm)	4950 cycles
Pentadecor® kpExtreme™ print <sup>2</sup>	118" (3000mm)	2050 cycles
Pentadecor® Basic Line solid <sup>3</sup>	118" (3000mm)	3250 cycles
Pentadecor® Basic Line print <sup>3</sup>	118" (3000mm)	750 cycles
High pressure laminate <sup>4</sup>	50" (1270mm)	400 cycles
Thermally fused melamine solid <sup>5</sup>	15" (381mm)	400 cycles
Thermally fused melamine print <sup>5</sup>	15" (381mm)	150 cycles

<sup>1</sup> Results based on .022" (550µ) gauge material tested

<sup>2</sup> Results based on .018" (450µ) gauge material tested

<sup>3</sup> Results based on .012" (300µ) gauge material tested

<sup>4</sup> High pressure laminate data source - [http://www.formica.com/documents/TechDataLaminateguide101220\\_1.pdf](http://www.formica.com/documents/TechDataLaminateguide101220_1.pdf), pg. 2

<sup>5</sup> Thermally fused melamine data source - [http://roseburg.com/products/Duramine\\_Technical\\_Data\\_AR.pdf](http://roseburg.com/products/Duramine_Technical_Data_AR.pdf), pg. 22

Please see NEMA LD3 2005 for a complete description of methods and testing procedures.

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