

# Certification of Conformance

## KP Vinyl Soffit

This certifies that KP Vinyl Soffit complies with the specifications of ASTM D4477.

Thickness: I-Span 10" Soffit : .046" ± .001"  
12" Soffit : .039" ± .001"  
10" Soffit : .042" ± .001"  
8" Soffit : .040" ± .001"

KP Vinyl Soffit is manufactured from PVC compound conforming to the requirements of ASTM D1755 – classification cell class GP4-16040.

- KP Vinyl Soffit compound meets or exceed the following requirements:

Tensile Strength (ASTM D638): 7000 psi  
Modulus of Elasticity ASTM D638): 400,000 psi  
Izod Impact @70<sup>0</sup> F (ASTM D 256): 4.20 lb./in. notch  
Izod Impact @32<sup>0</sup> F (ASTM D 256): 2.40 lb./in. notch  
Deflection Temperature with 264 psi load (ASTM D648): 175<sup>0</sup> F (79.4<sup>0</sup> C)

- KP Vinyl Soffit meets or exceeds the following requirements:

- **Fire Resistance Properties:**

Average Time of Burning (ASTM D635) : <5 sec  
Average Extent of Burning (ASTM D635) : <5 mm  
Flame Spread Index (ASTM E84): 20  
Smoke Developed Index (ASTM E84): 250  
Fuel Contribution (ASTM E84): 0  
Smoke Density (ASTM D2843) : <50%  
Ignition Properties (ASTM D1929): Self ignition did not occur. At 824<sup>0</sup> F sample began to smolder and continued until consumed.

- **Free air space of vented Soffit panel:**

- 8" Vented Soffits: 4.64 in<sup>2</sup>/ ft<sup>2</sup>
- 10" Perforated Soffit: 3.76 in<sup>2</sup>/ ft<sup>2</sup>
- 12" Perforated Soffit: 4.75 in<sup>2</sup>/ ft<sup>2</sup>
- 12" Lanced Soffit: 12.63 in<sup>2</sup>/ ft<sup>2</sup>
- 12" C-Vent Perforated Soffit: 1.60 in<sup>2</sup>/ ft<sup>2</sup>

- **Typical Physical Properties:**

Impact Resistance (ASTM D4226): 60 in-lbf  
(Procedure A, H.25)  
Weatherability (ASTM D3679): No surface or structural defects such as peeling, cracking, chipping.  
Coefficient of Linear Expansion (ASTM D3679): 3.00 x 10<sup>-5</sup> in/in<sup>0</sup>F / 5.10 x 10<sup>-5</sup> cm/cm<sup>0</sup>C  
Gloss (ASTM D3679): plus or minus 8 units  
Windload Resistance (ASTM D5206): Wind speed up to 130 mph. Design Pressure up to -40 psf



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