

# Certification of Conformance

## KP Dakota Vinyl Siding

This certifies that Dakota Vinyl Siding complies with the specifications of:

- VSI - ASTM D3679
- HUD-FHA Minimum Property Standards
- MDC NOA
- ICC ESR-1517
- FBC FL12201

Thickness: .042" (± .001" on average as determined by ASTM D3679).

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

- Dakota Vinyl Siding compound meets or exceed the following requirements:

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

- Dakota Vinyl Siding 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° F sample began to smolder and continued until consumed.

- **Typical Physical Properties:**

Warp (ASTM D3679) : <0.125 in  
Heat Shrinkage (ASTM D3679) : <1.9%  
Impact Resistance (ASTM D4226): 2.36 in/mil (Procedure A, H.25)  
Weatherability (ASTM D3679): No surface or structural defects such as peeling, cracking, chipping.  
Coefficient of Linear Expansion (ASTM D3679):  $3.00 \times 10^{-5}$  in/in °F /  $5.10 \times 10^{-5}$  cm/cm °C  
Gloss (ASTM D3679): plus or minus 5 units  
Surface Distortion (ASTM D3679): No distortion at 120°F  
Windload Resistance (ASTM D5206): Wind speed up to 181 mph. Design Pressure up to -79 psf



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