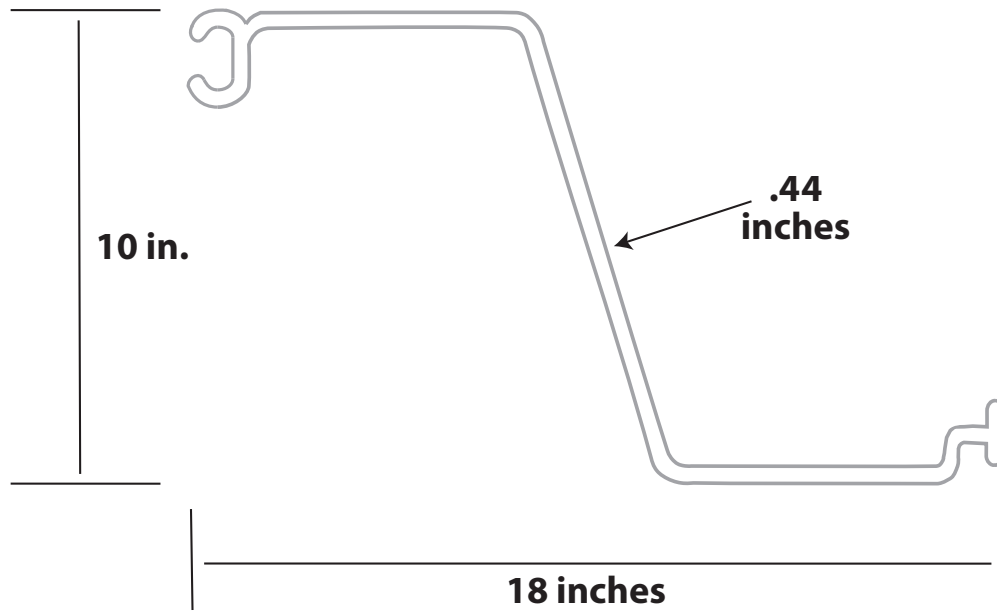




TECHNICAL DATA SHEET

VANGUARD HD



Constituent Material	PVC, Exterior Grade Ridid only	PVC, Exterior Grade Ridid only
Section Width (W)	18 inches	457 mm
Section Depth (D)	10 inches	254 mm
Section Thickness (T)	.440 inches	11.18 mm
Moment of Inertia	166.3 in ⁴ /ft	22,709 cm ⁴ /m
Section Modulus	31.95 in ³ /ft	1,717 cm ³ /m
Ultimate Moment	17,306 ft-lbs/ft	7,948 kg-m/m
Allowable Moment	8,653 ft-lbs/ft	3,980 kg-m/m
Tensile Strength	ASTM-D638 6,500 lbs/in ²	44.8 Mpa
Flexural Strength	ASTM-D790 10,200 Psi	70.3 Mpa
Modulus of Elasticity	STM-D790 380,000 Psi	2,620 Mpa
Notched Izod Impact	ASTM-D256 13.75 lbs/in	2.46 kg/cm
Heat Deflection Temperature	ASTM-D648 158 degrees F	70 degrees C

The values shown in this document are averages and may vary. No warranties of any kind are made as to the suitability of Vanguard Vinyl Seawall for any particular application or results obtained thereof.