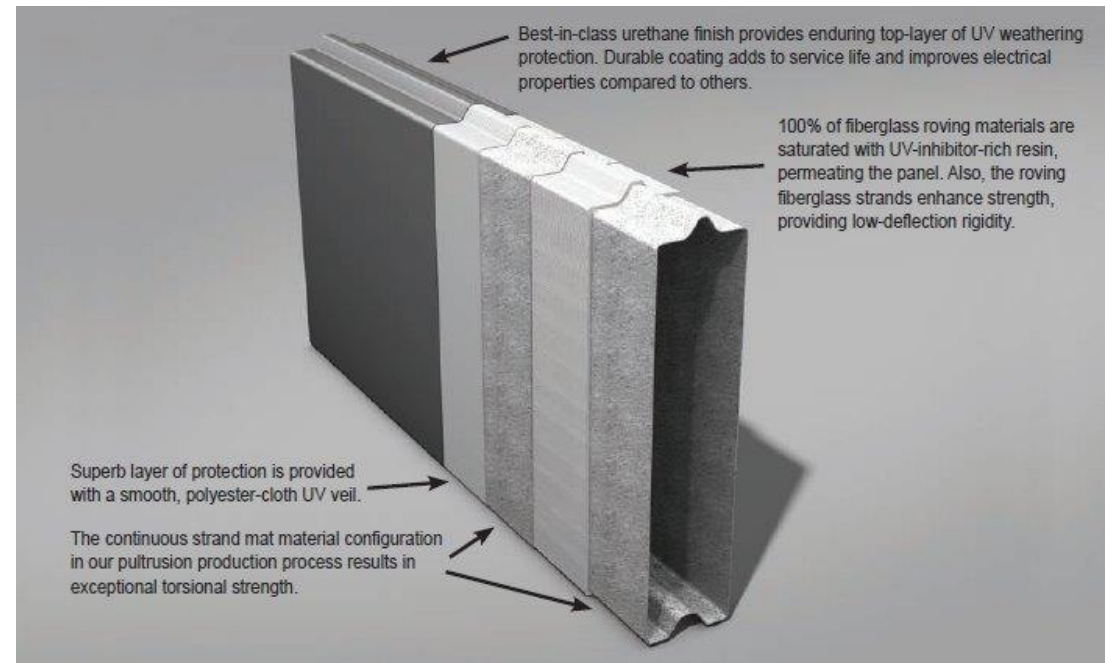
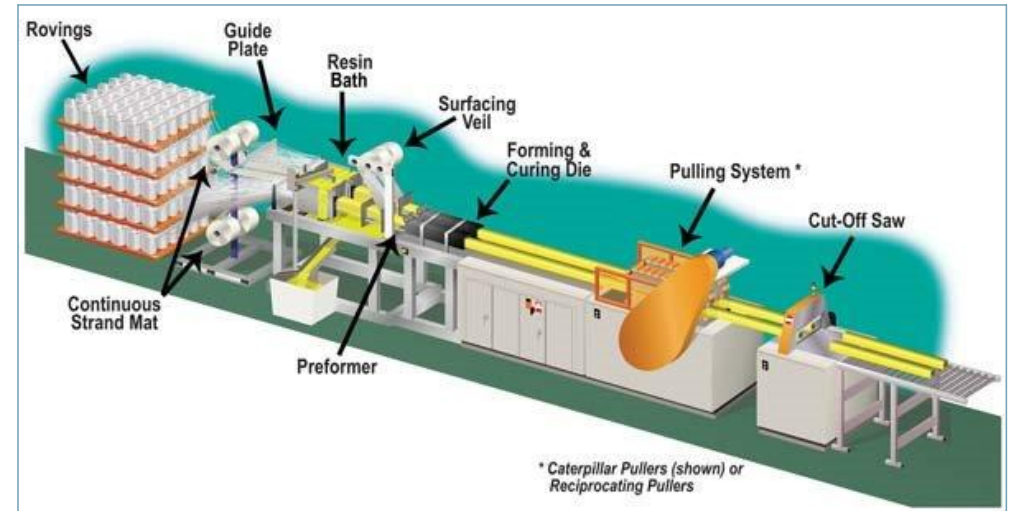


SUBSTATION SECURITY VALMONT COMPOSITES SAFEFENCE

Valmont SafeFence™

SafeFence FRP (Fiber-reinforced polymer)

- Pultruded fiberglass tongue and groove security barrier
- Manufactured in 6", 12" and 24" planks.
- Each plank is pultruded and then cut to the size per specification.
- The final step is a urethane coating to add additional UV protection and longevity.
- Ballistic material can be installed to provide additional security
- Fencing columns and gates are also FRP to provide a complete solution



Valmont SafeFence™

Valmont FRP Fencing History

- 1988 1st Installation Highway
- 1998 1st Installation Railroad
- 2009 1st Installation with Fiberglass Uprights
- 2016 Introduced 12" Panel Highway & Retaining
- 2017 Introduced C Shape Safe Fence
- 2019 1st Installation of Ballistic Panel Substation
- 2022 2' Panel & 12" Wide Flange Upright
- 2024 New Ballistic Vented Wall**



Why FRP Fencing

- Modular, lightweight design - No heavy equipment required for installation or repairs
- More cost effective, stronger and resilient than other materials, both to install and maintain
- Both a nonconductive and noncorrosive solution
- High strength to weight ratio
- Adaptive to extreme climates and environmental conditions
- Highly durable...50-year service life

Valmont SafeFence™

Industry Testing

Type	Test Criteria	Result
UV	• ASTM G154 Weathering Test	• Pass
Acoustical	• ASTM E-90 & ASTM C423	• Pass
Flashover	• ASTM 5711-2013. ASTM D149-2013, IEEE 978-1984	• Pass
Wall Design	• AASHTO LRFD Bridge Design & ASCE 7-10/16	• Pass
Smoke & Flame	• ASTM E84-00A (ANSI 2.5, NFPA 255, UBC 8-1 (40-1) UB 723)	• Pass
Testing Forced Entry and Ballistic	• ASTM F2781-15 & UL 752	• Pass



UL 752 LEVEL

Level	Ammunition	Shots
1	9 MM	3
2	.357 Magnum	3
3	.44 Magnum	3
4	.30 Cal	1
5	.308 Cal	1
6	9 MM	5
7	.223 Cal	5
8	.308 Cal	5
9	.30-06 Cal	1



Valmont SafeFence™



Valmont SafeFence™



RAL 6003



Olive Green

RAL 7035



Light Grey

RAL 1015



Light Ivory

RAL 6002



Leaf Green

RAL 9003



Signal White

C0163



SKP Brown

Fed Std. 20219



Cocoa Brown

Valmont SafeFence™



Valmont SafeFence™



