NUDO®

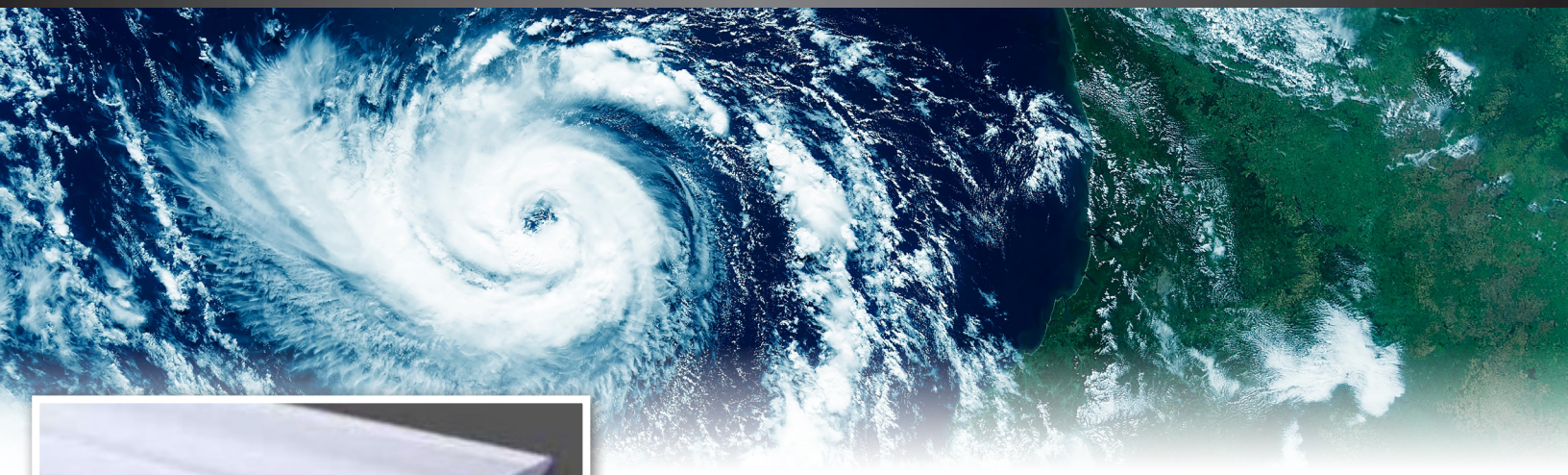
A VERZATEC COMPANY

NuView™ Hurricane Panel

Polycarbonate 16MM Storm Panels

High Quality • Translucent • Lightweight • Easy to Install • UV Protected

Easily Stored • Economical • Recylable • Hail Resistant



NuView™

NuView™ hurricane panels are made from reinforced polycarbonate, featuring a strong X-Structure design produced by Imsa Plastics. NuView offers the ultimate in quality with 100% virgin resin and a manufacturing process that uses the highest standards.

NuView is approved by the Florida Building Code for both hurricane zones, HVHZ and non HVHZ. Florida Approval #21379.**

Typical Properties*

PROPERTY		TEST METHOD	VALUES
Physical			
Luminous Transmittance (D65) (%)	Clear	DIN 5036	59
	White		4
	Bronze		31
Thickness (mm)		-	16
Weight Factor (lbs/ft^2)		-	.55
Hail Impact		Lab Test	Pass
Minimum Cold Bend Radius (in)		-	118
Sound Transmission (dB)		EN ISO 140/717	21
Thermal			
Coefficient of thermal expansion (in/ft/°F)		ASTM D 696	3.60 x 10^{-5}
Temperature Resistance, no load (°F)		-	248
U-Value / R-Value (BTU/hr x ft^2 x °F)		EN ISO 6946	0.35 / 2.86
Direct Solar Transmission	Clear	EN410 / EN13363-2	0.71
	White		0.48
Total Solar Energy (%)	Clear	EN410 / EN13363-2	75
	White		52
	Bronze		53
Solar Heat Gain Coefficient	Clear	Calculated (Solar Total Energy/100)	0.75
	White		0.52
	Bronze		0.53
Shading Coefficient	Clear	Calculated (Solar Heat Gain Coefficent x 1.15)	0.86
	White		0.60
	Bronze		0.61
Flammability			
Rate of Burn	White	ASTM D 635	CC1
	Clear		
Flame Spread and Smoke		ASTM E 84	Class A
Ignition Temperature (°F)	Self	ASTM D 1929	1031
	Flash		834

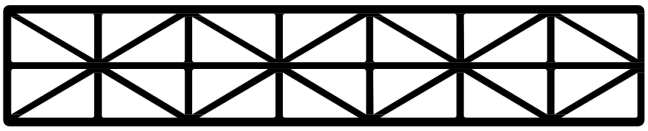
* Typical properties are not intended for specification purposes. ** Macrolux, a NUDO sister company, carries the Florida Approval and has assigned all rights to NUDO.

16 mm Storm Panel Windload Chart

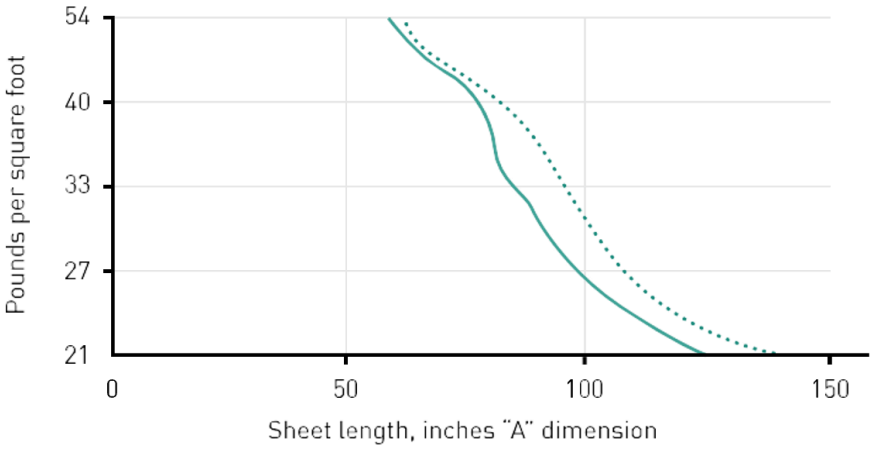
Wind Load Design Guidelines

Wind load recommendations for specific Multi UV sheet widths and their corresponding spans are based on uniformly applied loads (psf), as illustrated in the referenced performance chart. These recommendations assume a clamped framing system in which all four edges of the sheet are fully supported. The framing must incorporate an extrusion profile with adequate rabbet depth to ensure proper edge engagement, while also allowing for thermal expansion and contraction.

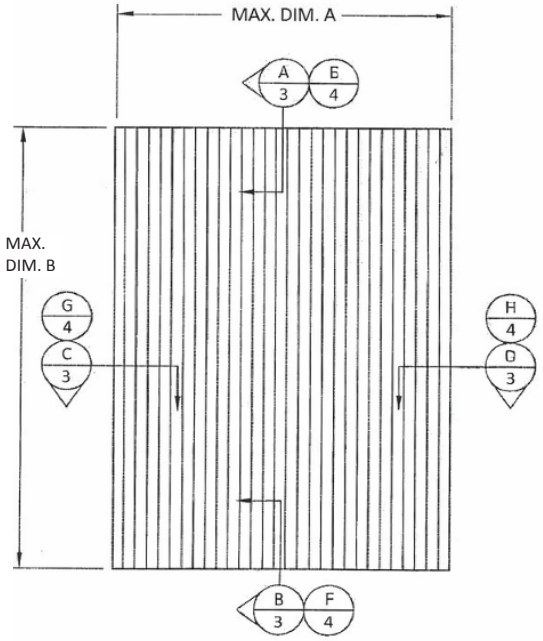
X-Structure Sheet Profile



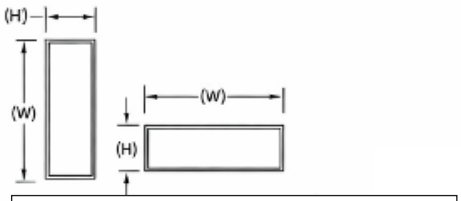
Load (psf)	21	27	33	40	54	Sheet Width (in)
Storm Panel	138	110	95	79	63	41
Sheet Length (in)	126	98	83	79	59	48



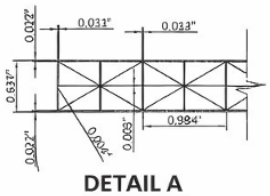
The ultimate lightweight, translucent storm protection. Designed to protect your windows and doors from hurricane and severe weather winds, while still allowing light in.



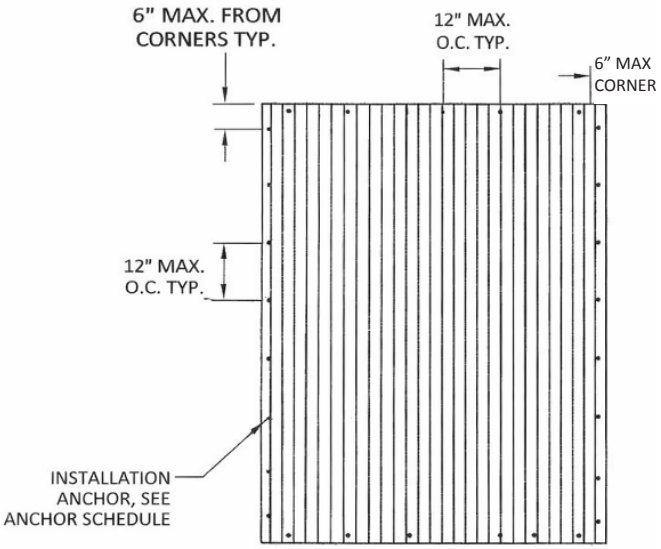
TYPICAL ELEVATION
72" X 96" UNIT



NOTE:
DIMENSION 'A' AND DIMENSION 'B' MAY BE INTERCHANGEABLE AS WIDTH (W) OR HEIGHT (H) OF PANEL.



DETAIL A
POLYCARBONATE STORM PANEL



RESIDENTIAL WINDOW ANCHOR LAYOUT

Installation Requirements

- Installation shall comply with IMSA Plastics guidelines to maintain warranty validity. Local authority approval may be required.
- Detailed installation guidelines are available upon request. For additional information or technical assistance please contact you local representative https://nudo.com/resource-center/building-products-distributor-map/

NuView 1/4 Hurricane Panel		
Substrate	**Embedment (in.)**	**Edge Distance (in.)**
Concrete (Min Fc = 3000 psi)	1.75	2.5
Grout Filled Block (Min Fc = 2000 psi)	1.75	2.5
Wood (Min. S.G. = 0.55)	1.5	0.75
NuView 1/4 Hurricane Panel Plus		
Substrate	**Embedment (in.)**	**Edge Distance (in.)**
Concrete (Min Fc = 3350 psi)	1.75	2.5
Grout Filled Block (Min Fc = 2071 psi)	1.25	2
Wood (Min. S.G. = 0.55)	1.875	0.75
NuView 1/4 Hurricane Panel Insert		
Substrate	**Embedment (in.)**	**Edge Distance (in.)**
Concrete (Min Fc = 2700 psi)	1.625	4
Grout Filled Block (Min Fc = 2676 psi)	1.5	1.75
Wood (Min. S.G. = 0.55)	1.625	0.75

Overall Size		Max. Design Pressure	Min. Separation	Missile Impact Rating
DIM. A	DIM B.			
72"	96"	+50/-50 PSF	6.5"	LMI
75"	84"	+53/-56 PSF	6.25"	
75"	75"	+56/-62.5 PSF	5.5"	
75"	66"	+50/-70 PSF	5.25"	
48"	96"	+53/-56 PSF	2.75"	
48"	84"	+53/-56 PSF	2.5"	
48"	75"	+56/-62.5 PSF	2.375"	
48"	66"	+60/-70 PSF	2.375"	

NOTE: LMI = Large Missile Impact Rated

NUDO®
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