



## Now Fully Tested per ICC 500-2014

FEMA SHELTER COMPLIANT PER ICC-500/FEMA 361				
CITADEL PRODUCTS 5000 SERIES WINDOW				
Threat	Threshold Level	Requirements	Testing Protocol	Results
Hurricane	210 mph wind zone*	Large Missile Impact 9# @ 125 mph**	ASTM E 1886	Pass
		Pressure Cycling @ +110/-130 psf (9000 cycles)	ASTM E 1886	Pass
Tornado	EF-5 Tornado***	Structural Design Pressure @ ±250 psf	ASTM E 330	Pass
		Structural Test Pressure @ 1.2(250) =±300 psf	ASTM E 330	Pass
		Large Missile Impacts 15# @ 100 mph	ASTM 1886	Pass
Air/Water	Environment	Air Infiltration @ 1.57 psf		<0.01 cfm/ft <sup>2</sup>
		Air Infiltration @ 6.24 psf		<0.01 cfm/ft <sup>2</sup>
		Water Infiltration @ 20.0 psf		Pass
Ballistic Resistance	9 mm Lugar (7 shots)	ISO 17025 Level 6	ANSI/UL 752-2005	Pass

\* Category 5 hurricanes start above 156 mph (meets new standard for FEMA hurricane shelter)

\*\*Actual Impacts 15# @ 100 mph

\*\*\*Fully compliant with FEMA 361-2015 requirements

### Window Features

- < Fully compliant with ICC 500-2014 & FEMA 361-2015
- < Storefronts and curtain walls available with mullions
- < Largest single size tested 40 sq. ft.
- < Smallest single size tested 4 sq. ft.
- < Available with ballistic protection LEVEL VI
- < Transparent glazing (74% VLT)
- < Fully tested up to 210 mph hurricane FEMA shelter



### Window Design

- < Window perimeter frame is 2" X 5"
- < Window intermediate vertical mullion is 2" X 10"
- < Fully concealed fasteners and hair line joints
- < 6063-T6 alloy and temper
- < Anodized or painted finishes
- < Accepts 3/4" to 2" thick glazing
- < Window anchoring requirements by certified PE

### DESIGNED FOR SURVIVAL

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