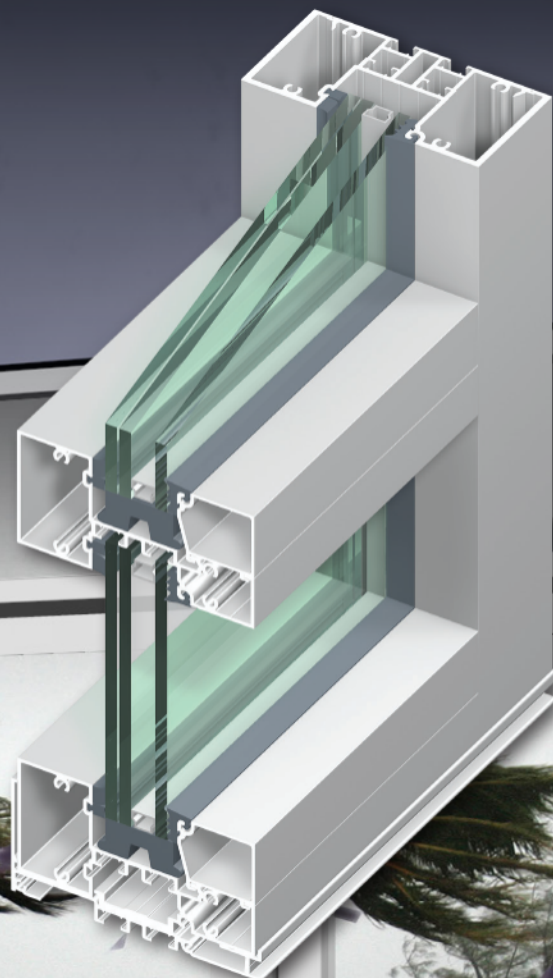




T34000-Dry Storefront

ForceFront® Storm T34000 Storefront is a 2-1/2" x 5" flush glazed system for use on low-rise single span applications in hurricane impact areas. The system meets the requirements of Florida Building Code High Velocity Hurricane (HVHZ) Zone 4 – large missile impact and cycling [ASTM E1886-05 / 1996-09, TAS 201-94 and TAS 203-94]. Features include screw spline frame construction, exterior center set glazing, heavy duty vertical mullion, and accepts 1-5/16" insulated laminated glass installed using wet-glazed or dry-glazed method and polyurethane thermal barrier with Azon's Lancer™ technology that ensures compliance to stringent energy codes.

ForceFront Storm Curtainwall (FFS-CW) and Medium and Monumental Entrance Doors compliment the storefront, providing a complete hurricane resistant system that's easy to fabricate and install.



**ForceFront® Storm
Monumental Door**

**ALSO
USED
WITH**

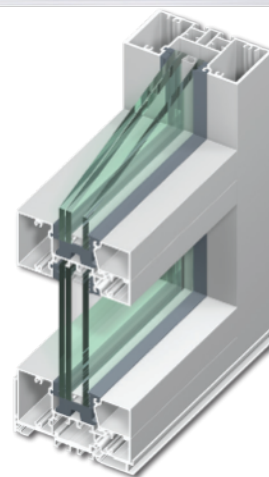
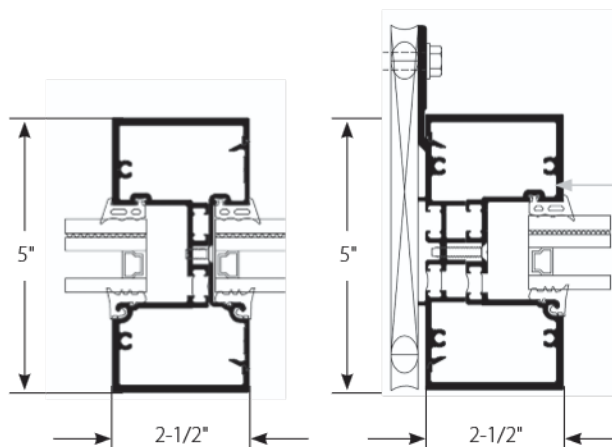
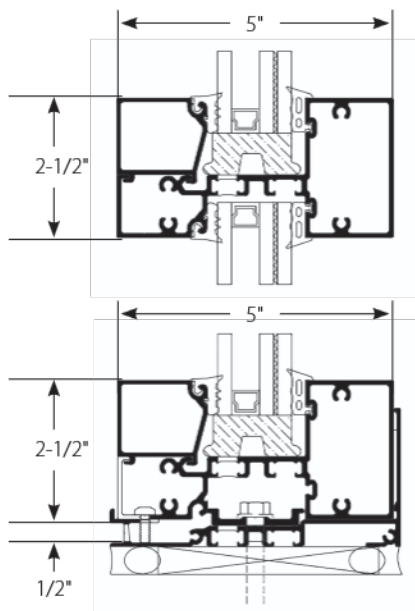
**ForceFront® Storm
Curtainwall**

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CURTAINWALL AND ENTRANCE SYSTEMS



Tubelite ForceFront® Storm T34000 Storefront



Screw Spline
Frame
Construction

System Features:

- Standard 2-1/2" (63.5mm) sight-line on verticals and horizontals
- 5" (127mm) system depth
- Single Pour & Debridge thermal break with Azon's Lancer® mechanical lock
- EPDM wedge type gaskets for 1-5/16" glass or panel thickness
- Glass centered in the system depth

Optional Features:

- Screw-spline or shear block connections
- Steel reinforcing if required
- Easily integrates with Medium Stile or Monumental Stile Impact Resistant Doors & Curtainwall
- A wide variety of standard anodized and painted colors are available to complement any project with warranted protection, as well as street appeal.
- Dry gasket glazing Interior and Exterior sides
- Dry gasket exterior and wet glazed interior

ForceFront® Storm Storefront T34000 2-1/2" x 5"

Glass Makeup:	1-5/16" Insulated Lami: 1/4" (ext) - 1/2" air space - 9/16" lami (int) - options in table below	
Approvals:	Florida Product Approval including HVHZ and Texas Department of Insurance	
Options:	Thermal or non thermal frames, single span, exterior center set wet and dry glazing, heavy duty vertical mullion, and ForceFront Storm Entrance Doors (under separate approval)	
Hurricane Testing:	Large Missile (D) and Small Missile (A)	ASTM E1886-05 / 1996-09, TAS 201-94, and TAS 203-94
Air Infiltration:	0.06 cfm/ft ² @ 6.24 psf	ASTM E283-04 and TAS 202-94
Water Resistance:	15 psf (static)	ASTM E331-00, TAS 202-94
U-Factor**:	0.37 (thermal option)	NFRC 100, glazed wall configuration
CRF (frame):	59 (thermal option)	AAMA 1503
STC:	36 (.090 Sentry lami)	ASTM E90-09
OTC:	32 (.090 Sentry lami)	ASTM E1332-10a
Structural:	up to +70 / -68 psf	ASTM E330-02 and TAS 202-94

** U-Factor per NFRC 100: COG = 0.24 with warm edge spacer, 1-3/4" x 4-1/2" non-thermal frame
Refer to the U-Facto table at: <https://www.tubeliteinc.com/products/storefront/t34000-forcefront-impact-resistant-framing/> for other glass makeups and configurations.

ForceFront® Storm Storefront T34000 Product Specifications

System (2-1/2" x 5")	Glass Size (max)	Frame Height (max)	Design Pressure (psf)	Missile Type	Interlayer Makeups Tested*	Texas Department of Insurance (TDI)	Florida Product Approval (FPA)	Florida Building Code HVHZ
T34000 Thermal (dry glazed)	48" x 120"	123-3/4"	+ 58 / - 55	Large (D)	1/4" HS - .090 Sentry Glas - 1/4" HS 1/4" HS - .077 Saflex CP - 1/4" HS	CWFS-45	FL17192.2	Yes

The above table is for reference only. Refer to FPA or TDI installation instructions for approved frame sizes and configurations, design pressures, mullion types, reinforcement requirements, glass makeups, anchorage requirements, etc.

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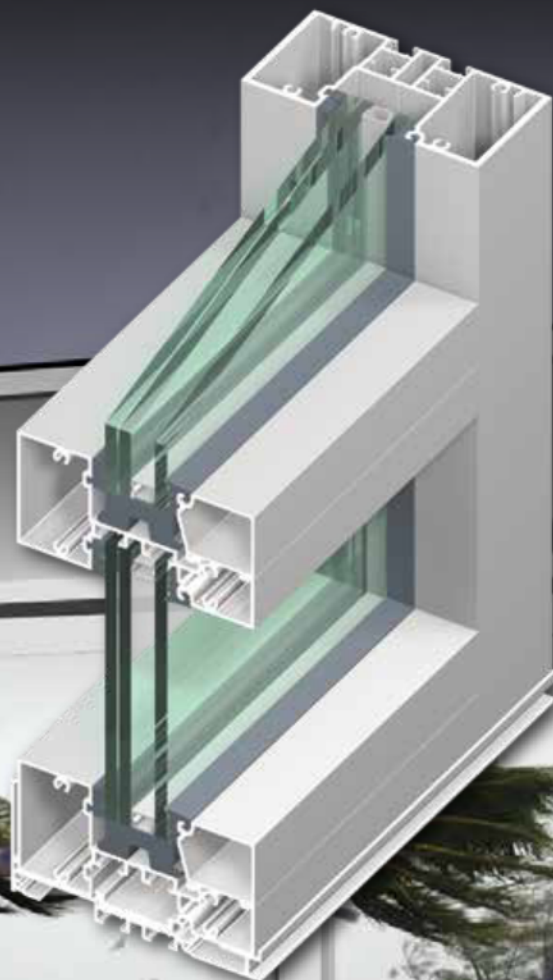
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CURTAINWALL AND ENTRANCE SYSTEMS



T34000-Wet Storefront

ForceFront® Storm T34000 Storefront is a 2-1/2" x 5" flush glazed system for use on low-rise single span applications in hurricane impact areas. The system meets the requirements of Florida Building Code High Velocity Hurricane (HVHZ) Zone 4 – large missile impact and cycling [ASTM E1886-05 / 1996-09, TAS 201-94 and TAS 203-94]. Features include screw spline frame construction, exterior center set glazing, heavy duty vertical mullion, and accepts 1-5/16" insulated laminated glass installed using wet-glazed or dry-glazed method and polyurethane thermal barrier with Azon's Lancer™ technology that ensures compliance to stringent energy codes.

ForceFront Storm Curtainwall (FFS-CW) and Medium and Monumental Entrance Doors compliment the storefront, providing a complete hurricane resistant system that's easy to fabricate and install.



**ForceFront Storm
Monumental Door**

**ALSO
USED
WITH**

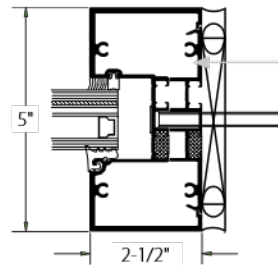
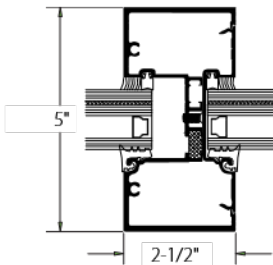
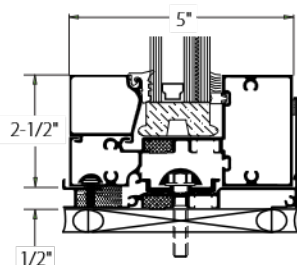
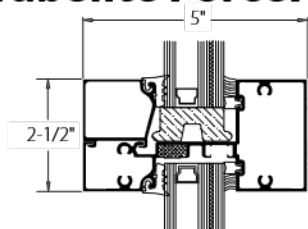
**ForceFront Storm
Curtainwall**

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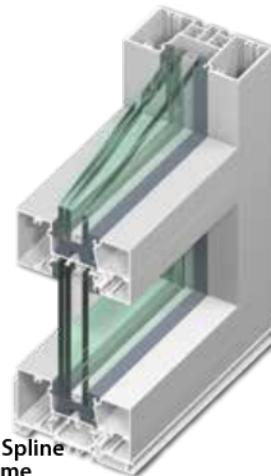
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CURTAINWALL AND ENTRANCE SYSTEMS



Tubelite ForceFront® Storm T34000 Storefront



Screw Spline
Frame
Construction



System Features:

- Standard 2-1/2" (63.5mm) sight-line on verticals and horizontals
- 5" (127mm) system depth
- Single Pour & Debridge thermal break with Azon's Lancer® mechanical lock
- EPDM wedge type gaskets for 1-5/16" glass or panel thickness
- Glass centered in the system depth

Optional Features:

- Screw-spline or shear block connections
- Steel reinforcing if required
- Easily integrates with Medium Stile or Monumental Stile Impact Resistant Doors & Curtainwall
- A wide variety of standard anodized and painted colors are available to complement any project with warranted protection, as well as street appeal.
- Dry gasket glazing Interior and Exterior sides
- Dry gasket exterior and wet glazed interior

ForceFront® Storm Storefront T34000 2-1/2" x 5"

Glass Makeup:	1-5/16" Insulated Lami: 1/4" (ext) - 1/2" air space - 9/16" lami (int) - options in table below	
Approvals:	Florida Product Approval including HVHZ and Texas Department of Insurance	
Options:	Thermal or non thermal frames, single span, exterior center set wet and dry glazing, heavy duty vertical mullion, and ForceFront Storm Entrance Doors (under separate approval)	
Hurricane Testing:	Large Missile (D) and Small Missile (A)	ASTM E1886-05 / 1996-09, TAS 201-94, and TAS 203-94
Air Infiltration:	0.06 cfm/ft ² @ 6.24 psf	ASTM E283-04 and TAS 202-94
Water Resistance:	15 psf (static)	ASTM E331-00, TAS 202-94
U-Factor:	0.37 (thermal option)	NFRC 100, glazed wall configuration
CRF (frame):	59 (thermal option)	AAMA 1503
STC:	36 (.090 Sentry lami)	ASTM E90-09
OTC:	32 (.090 Sentry lami)	ASTM E1332-10a
Structural:	up to +70 / -68 psf	ASTM E330-02 and TAS 202-94

** U-Factor per NFRC 100: COG = 0.24 with warm edge spacer, 1-3/4" x 4-1/2" non-thermal frame. Refer to the U-Value table at: <https://www.tubeliteinc.com/products/storefront/34000-forcefront-impact-resistant-framing/> for other glass makeups and configurations.

ForceFront® Storm Storefront T34000 Product Specifications

System (2-1/2" x 5")	Glass Size (max)	Frame Height (max)	Design Pressure (psf)	Missile Type	Interlayer Makeups Tested*	Texas Department of Insurance (TDI)	Florida Product Approval (FPA)	Florida Building Code HVHZ
T34000 Thermal (wet glazed)	48" x 120"	123-3/4"	+ 55 / - 55	Large (D)	1/4" HS - .090 Sentry Glas - 1/4" HS	CWFS-45	FL17192.2	Yes
T34000 Thermal (wet glazed)	48" x 96"	99-3/4"	+ 50 / - 50	Large (D) Small (A)	1/4" HS - .090 Butacite PVB - 1/4" HS	CWFS-45	FL17192.2	Yes

The above table is for reference only. Refer to FPA or TDI installation instructions for approved frame sizes and configurations, design pressures, mullion types, reinforcement requirements, glass makeups, anchorage requirements, etc.

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