

STOREFRONT SYSTEMS
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FL500

Hurricane Impact-Resistant Storefront

FL550

Hurricane Impact-Resistant Storefront

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DADE COUNTY, FLORIDA APPLICATIONS OPTIONS AND LIMITATIONS

FRONT LINE FL500 HURRICANE IMPACT-RESISTANT STOREFRONT SYSTEM

DESIGN PRESSURE P.S.F.	INTERMEDIATE VERTICAL MULLION	WALL JAMB MULLION	MAX. MULLION SPAN (Inches)	MAX. CENTERLINE SPACING (Inches)	MAXIMUM GLASS SIZE W x H (Inches)	QUALIFIED GLASS TYPES
+60/-60	FL516/FL505 HEAVY DUTY	FL501	120	48	45-1/2 x 96 [30.3 ft ²]	A-B-U
+65/-65	FL504/FL505 STANDARD	FL501	89	48	45-1/2 x 84 [26.5 ft ²]	A-B
+70/-80	FL504/FL505 STANDARD W/SR504 STEEL REINFORCEMENT	FL501	120	60	57-1/2 x 96 [38.3 ft ²]	A

GLASS COMPOSITION	MANUFACTURER	GLASS TYPE
9/16" LAMINATED GLASS - TWO 1/4" H.S. LITES AND 0.075 SOLUTIA VS02 INTERLAYER NOA # 03-0514.15	SOLUTIA	A
9/16" LAMINATED GLASS - TWO 1/4" H.S. LITES AND 0.090 SOLUTIA SAFLEX PVB INTERLAYER NOA #03-0105.02	SOLUTIA	B
9/16" LAMINATED GLASS - TWO 1/4" H.S. LITES AND 0.120 UVEKOL TYPE "S" INTERLAYER NOA #03-1117.05	CORAL INDUSTRIES, INC.	U

COMPARATIVE ANALYSIS OF GLASS BASED ON ASTM E-1300

DADE COUNTY BUILDING COMPLIANCE OFFICE ALLOWS COMPARATIVE ANALYSIS OF TESTED GLASS TYPES PROVIDED THE FOLLOWING FIVE CONDITIONS ARE MET:

1. DOES NOT EXCEED MAXIMUM CYCLIC PRESSURE TESTED.
2. DOES NOT EXCEED MAXIMUM SPAN OF MULLION TESTED.
3. DOES NOT EXCEED MAXIMUM MULLION SPACING OF MULLION TESTED.
4. DOES NOT EXCEED MAXIMUM SQUARE FOOTAGE OF LARGEST LITE TESTED.
5. DOES NOT EXCEED ASPECT RATIO OF 5:1. (IN A RECTANGULAR CONFIGURATION, THE RATIO OF THE LONG-SIDE TO THE SHORT-SIDE IS DEFINED AS THE ASPECT RATIO).

DADE COUNTY, FLORIDA APPLICATIONS

OPTIONS AND LIMITATIONS

FRONT LINE FL550 HURRICANE IMPACT-RESISTANT STOREFRONT SYSTEM

DESIGN PRESSURE P.S.F.	INTERMEDIATE VERTICAL MULLION	WALL JAMB MULLION	MAX. MULLION SPAN (Inches)	MAX. CENTERLINE SPACING (Inches)	MAXIMUM GLASS SIZE W x H (Inches)	QUALIFIED GLASS TYPES
+60/-60	FL566/FL555 HEAVY DUTY	FL551	120	48	45-1/2 x 96 [30.3 ft ²]	IA-IB-IU
+65/-65	FL554/FL555 STANDARD	FL551	89	48	45-1/2 x 84 [26.5 ft ²]	IA-IB
+70/-80	FL554/FL555 STANDARD W/SR504 STEEL REINFORCEMENT	FL551	120	60	57-1/2 x 96 [38.3 ft ²]	IA
+70/-80	FL554/FL555 STANDARD W/SR504 STEEL REINFORCEMENT	FL551	120	60	57-1/2 x 96 [38.3 ft ²]	TIA

GLASS COMPOSITION	MANUFACTURER	GLASS TYPE
1-5/16" INSULATED GLASS - 1/4" H.S. LITE - 1/2" AIR SPACE - 1/4" H.S. LITE 0.075 SOLUTIA VS02 INTERLAYER NOA # 03-0514.15	SOLUTIA	IA
1-5/16" INSULATED GLASS - 1/4" H.S. LITE - 1/2" AIR SPACE - 1/4" H.S. LITE 0.090 SOLUTIA SAFLEX PVB INTERLAYER NOA #03-0105.02	SOLUTIA	IB
1-5/16" INSULATED GLASS - 1/4" H.S. LITE - 1/2" AIR SPACE - 1/4" H.S. LITE 0.120 UVEKOL TYPE "S" INTERLAYER NOA #03-1117.05	CORAL INDUSTRIES, INC.	IU
1-5/16" INSULATED GLASS - 1/4" TEMPERED - 1/2" AIR SPACE - 1/4" H.S. LITE 0.075 SOLUTIA VS02 INTERLAYER - 1/4" H.S. NOA # 03-0514.15	SOLUTIA	TIA

COMPARATIVE ANALYSIS OF GLASS BASED ON ASTM E-1300

DADE COUNTY BUILDING COMPLIANCE OFFICE ALLOWS COMPARATIVE ANALYSIS OF TESTED GLASS TYPES PROVIDED THE FOLLOWING FIVE CONDITIONS ARE MET:

1. DOES NOT EXCEED MAXIMUM CYCLIC PRESSURE TESTED.
2. DOES NOT EXCEED MAXIMUM SPAN OF MULLION TESTED.
3. DOES NOT EXCEED MAXIMUM MULLION SPACING OF MULLION TESTED.
4. DOES NOT EXCEED MAXIMUM SQUARE FOOTAGE OF LARGEST LITE TESTED.
5. DOES NOT EXCEED ASPECT RATIO OF 5:1. (IN A RECTANGULAR CONFIGURATION, THE RATIO OF THE LONG-SIDE TO THE SHORT-SIDE IS DEFINED AS THE ASPECT RATIO).



DADE COUNTY, FLORIDA APPLICATIONS OPTIONS AND LIMITATIONS

FRONT LINE FL500 and FL550 HURRICANE IMPACT-RESISTANT DOORFRAMES with TRANSOMS

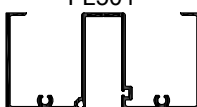
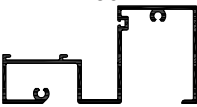
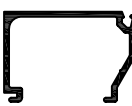
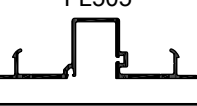
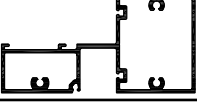
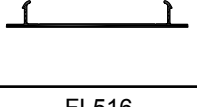
DESIGN PRESSURE P.S.F.	DOORJAMB MULLION COMBINATION SIDELITE	DOORJAMB MULLION COMBINATION AT WALL	MAX. MULLION SPAN (Inches)	MAX. CENTERLINE SPACING (Inches)	MAX. TRANSOM D.L.O. SIZE W x H (Inches)	QUALIFIED GLASS TYPES
+70/-80	FL504/FL505 ** with SR504 STL. REINFORCEMENT	FL504/FL515 FL515 is FULL LENGTH	120-3/8	86-1/2	31-1/2 X 82 [17.9 ft ²]	A
+65/-65	FL504/FL505 ** with SR504 STL. REINFORCEMENT	FL504/FL515 FL515 is FULL LENGTH	120-3/8	86-1/2	31-1/2" X 82" [17.9 ft ²]	B-U

**** NOTE:** When using **FL550** framing, replace FL505 at sidelite with **FL555**.

Transom Bars: **FL507** requires sash sections **FL517** and **FL518** at verticals for glazing.
FL562 requires **FL517** and **FL518** sash sections at verticals and on the top side of transom bar for glazing.
 Since **Series 281** and **381** doors do not accommodate a 1-5/16" glazing infill, transom frames were only tested with 9/16" laminated glass to match the door.

GLASS COMPOSITION	MANUFACTURER	GLASS TYPE
9/16" LAMINATED GLASS - TWO 1/4" H.S. LITES AND 0.075 SOLUTIA VS02 INTERLAYER NOA # 03-0514.15	SOLUTIA	A
9/16" LAMINATED GLASS - TWO 1/4" H.S. LITES AND 0.090 SOLUTIA SAFLEX PVB INTERLAYER NOA #03-0105.02	SOLUTIA	B
9/16" LAMINATED GLASS - TWO 1/4" H.S. LITES AND 0.120 UVEKOL TYPE "S" INTERLAYER NOA #03-1117.05	CORAL INDUSTRIES, INC.	U

**2 1/2" X 5" SCREW SPLINE
FOR 9/16" MONOLITHIC LAMINATED GLASS**

ITEM	DESCRIPTION	LENGTH PSC/BOX	FINISH CODE	
			CLEAR 10	BRONZE 20
FL501 	HEAD	24' 4	\$304.00	\$328.00
FL502 	SILL/HEAD	24' 4	\$256.00	\$277.00
FL503 	GLASS STOP	24' 10	\$83.00	\$90.00
FL504 	STD. VERTICAL MULLION / DOORFRAME JAMB	24' 4	\$233.00	\$252.00
FL505 	POCKET FILLER FOR FL504 AND FL516	24' 5	\$145.00	\$158.00
FL506 	INTERMEDIATE HORIZONTAL	24' 4	\$292.00	\$305.00
FL507 	DOOR HEADER / TRANSOM BAR	24' 2	\$368.00	\$383.00
FL562 	DOORFRAME HEADER / TRANSOM BAR C.O.C.W. / O.A., 2 1/2" x 5"	24' 4	\$296.00	\$314.00
FL515 	FLAT FILLER ANCHOR PLATE ATTACH DOORJAMB AT WALL	24' 10	\$91.00	\$99.00
FL516 	HEAVY WALL VERTICAL MULLION	24' 4	\$315.00	\$333.00

NOTE: All paint prices are quoted on a per job basis.

Add Finish designation to Part Number when ordering.


2 1/2" X 5" SCREW SPLINE EXTRUSIONS
FOR 9/16" MONOLITHIC LAMINATED GLASS

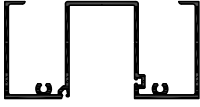
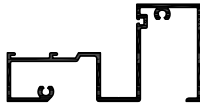
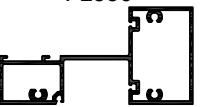
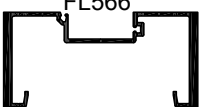
ITEM	DESCRIPTION	LENGTH PSC/BOX	FINISH CODE	
			CLEAR 10	BRONZE 20
FL517 	TRANSOM SASH	24' 10	\$64.00	\$70.00
FL518 	TRANSOM GLASS STOP	24' 10	\$37.00	\$43.00
FL519 	SUB SILL FLASHING (Use for Series FL500 / FL550)	24' 10	\$137.00	\$149.00
SR504 	4-5/8" X 1-7/16" X 1/4" W / ZINC CHROMATE PRIMER STL. REINFORCEMENT (Series FL500 / FL550)	1 10'-0"	\$227.00	QUOTE

NOTE: All paint prices are quoted on a per job basis.

Add Finish designation to Part Number when ordering.



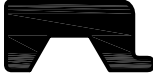
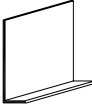
**2 1/2" X 5" SCREW SPLINE
 FOR 1-5/16" INSULATED GLASS**

ITEM	DESCRIPTION	LENGTH PSC/BOX	FINISH CODE	
			CLEAR 10	BRONZE 20
FL551 	HEAD	24' 4	\$304.00	\$328.00
FL552 	SILL/HEAD	24' 4	\$259.00	\$281.00
FL553 	GLASS STOP	24' 10	\$77.00	\$84.00
FL554 	STD. VERTICAL MULLION	24' 4	\$233.00	\$252.00
FL555 	POCKET FILLER FOR FL504 AND FL516	24' 5	\$144.00	\$157.00
FL556 	INTERMEDIATE HORIZONTAL	24' 4	\$314.00	\$339.00
FL566 	HEAVY WALL VERTICAL MULLION	24' 4	\$314.00	\$332.00

NOTE: All paint prices are quoted on a per job basis.

Add Finish designation to Part Number when ordering.

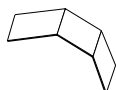

ACCESSORIES - SERIES FL500 / FL550

ITEM	DESCRIPTION	PSC/BOX BOX P/N	PRICE/BOX
CS500-1 	4" LONG SETTING CHAIR (2/LITE) AT SILL (Series FL500 / FL550)	50 CS500-2	\$50.00
SB11 	9/16" GLAZING 4" LONG EPDM SETTING BLOCK (2/LITE) AT TRANSOM SASH	50 SB11-1	\$18.00
SB13 	9/16" GLAZING 4" LONG EPDM SETTING BLOCK (2/LITE)	100 SB13-1	\$91.00
SB15 	1-5/16" GLAZING 4" LONG EPDM SETTING BLOCK (2/LITE) AT SILL AND HORIZONTAL	100 SB15-1	\$108.00
SB16 	1 5/16" GLAZING 4" LONG EPDM SETTING BLOCK (2/LITE) AT INVERTED HORIZONTAL	100 SB16-1	\$104.00
SB20 	9/16" GLAZING 4" LONG EPDM SETTING BLOCK (2/LITE) AT INVERTED HORIZONTAL	100 SB20-1	\$55.00
SM5601 	JOINT SEALANT TAPE 1/8" X 1/2"	30' SM5601	\$18.00
ED519-1 	SUB SILL FLASHING END DAM (Series FL500 / FL550)	20 ED519-2	\$25.00
AS21 	#6 X 3/8" FHP TYPE AB USED ED519 END DAMS #10-24 X 3/8" UCPFH	100 AS21-1	\$6.00
AS16 	SPLINE SCREW #14 X 1" HWH STS	100 AS16-1	\$24.00

NOTE: Add Finish designation to Part Number when ordering.



ACCESSORIES - SERIES FL500 & FL550

ITEM	DESCRIPTION	PSC/BOX BOX P/N	PRICE/BOX
NG1 	EXTERIOR EPDM GLAZING GASKET	500'	\$135.00
NG5 	GASKET FOR DS550 DOORSTOP AT DOORJAMB EPDM	500'	\$140.00
NG14 	1/4" INTERIOR SPACER GASKET (Series FL500 / FL550) EPDM	500'	\$125.00
NG15 	DRY GLAZE GASKET EPDM	500'	\$312.00
WD200-1 	WATER DIVERTER USED AT HORIZONTALS (Series FL500) Injection Molded Plastic	50 WD200-2	\$40.00
WD300-1 	WATER DIVERTER USED AT HORIZONTALS (Series FL550) Injection Molded Plastic	50 WD300-2	\$40.00

NOTE: Add Finish designation to Part Number when ordering.

