

VERSATHERM™ FRAMING

VersaTherm is our most versatile and economical framing system. The flexible design allows for on-site fabrication in applications ranging from punched openings to mall fronts. VersaTherm is available in a large selection of profiles. Snap-on covers and backmembers, available in a variety of colors, allow for contrasting interior and exterior finishes. Finish options and glass positioning from frame exterior to center meet a wide range of aesthetic requirements.

Snap-on covers and back members are "locked" together by a unique thermal barrier clip. This clip ensures that interior and exterior metal members remain separate while firmly connected, virtually eliminating the transference of frost and condensation. High performance verticals, and compatibility with Tubelite Stock Doors create a complete and truly versatile system.



VersaTherm Storefront, 0A Clear Anodized; Owner: Karmann Manufacturing, Plymouth, MI; Architect: DeMattia Group; Tubelite Dealer: Calvin & Company



PRODUCT	T14000 SERIES	T14000 I/O SERIES	T14650 SERIES	4500 SERIES	VERSATHERM™ SERIES
Application	Low-Rise storefront, center set glass, inside/outside glazed	Low-Rise storefront, front or rear set glass, inside/outside glazed	Medium-Rise storefront, front set glass, outside glazed	Low-Rise storefront, center set glass, outside glazed	Low-Rise storefront, front or center set glass, outside glazed
Face Width	2", 4-1/2"	2"	2"	1-3/4"	1-3/4"
Overall Depths	4-1/2"	4-1/2"	6-1/2"	4-1/2"	3-1/2" to 6-5/8"
Glass Thickness	1"	1"	1"	3/16", 7/32", 1/4", 5/16", 3/8"	1/4", 1"
Air Infiltration	≤0.01 CFM/Ft.2	≤0.03 CFM/Ft.2	0.04 CFM/Ft.2	0.01 CFM/Ft.2	0.01 CFM/Ft.2
Dynamic Water	Controlled @ 10 PSF	Controlled @ 12 PSF	Controlled @ 10 PSF	Controlled @ 12 PSF	12 PSF (Static)
Structural Overload	+/-45 PSF	+/-45 PSF	+/-45 PSF	+/-30 PSF	(Uniform Load Deflection) 30 PSF
CRF* [AAMA1503]	54 - PD - OS 53 - PD - IS 62 - Strut - OS	52 - IS Inboard 61 - IS Outboard	54 - OS	--	64
U Value* [NFRC]	0.40 - OS 0.34 - Strut	0.38 - IS Inboard 0.36 - IS Outboard	0.47 - OS	--	0.40 - 6" System
Sound Transmission	32 STC	32 STC	36 STC*	--	--

* See Tubelite's Test Reports for mock up sizes and test conditions.

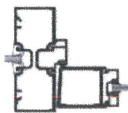
1 Glass Type = 1/4" SB70XL #2 / 1/2" Air / 1/4" Clear. COG U-factor = 0.29. Results obtained from AAMA 507 reports unless otherwise noted. All results represent NFRC 100 standard opening sizes of 78.74" x 78.74" for frames and 75.59" x 82.28" for doors.

Dark Ivy



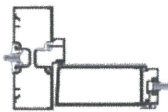
Narrow Stile Doors

Designed to accommodate standard hardware and everyday pedestrian traffic in retail and commercial buildings, the Top Rail and Vertical Stiles measure 2-1/8", while Bottom Rail heights of 4" or 10" meet code requirements.



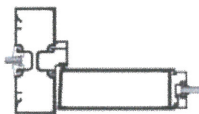
Medium Stile Doors

Engineered for additional pedestrian traffic in educational and institutional buildings, the Top Rail and Vertical Stiles measure 4", while Bottom Rail heights of 6-1/2" or 10" meet code requirements. The wider vertical stiles also accommodate a wider selection of operating hardware.



Wide Stile Doors

Top Rail and Vertical Stile widths of 5", and Bottom Rail heights of 6-1/2" or 10" provide for high volume usage and additional years of durability. These components can be used in wider and taller door openings, or to create a classic visual appearance in normal size entrance doors.



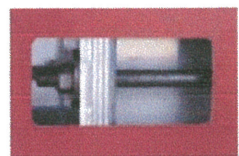
Application Design

Typical door heights range to 9 feet, while widths of up to 4 feet are common. Standard glass thicknesses are 1/4" and 1" insulated and must be safety glass or tempered to provide user safety. Swinging hardware selections are mortised butts or continuous gear hinges, and offset or center pivots. Locking options are manual deadlocks or concealed rod and rim-type exit devices. 1" diameter pull handle with offset grip, and tapered pushbars complete the standard package. Glazing stop and gasketing combinations provide for glass or panel thickness from 1/4" to more than 1".

Standard frame widths of 1-3/4" or 2", and depths of 4-1/2" are selected to match adjacent storefront framing systems. Optional framing members up to 4-1/2" wide and up to 6-1/2" deep are also available.

Performance

Time-tested tie rod construction on all Tubelite doors has provided dependable service since the 1950's with many doors still in operation. This assembly method also allows replacement of damaged components if necessary, or reuse in a different size opening after its original installation. Optional tack welding of corners is available but limits the benefits previously described.



TUBELITE®
DEPENDABLE

LEADERS IN ECO-EFFICIENT STOREFRONT,
CURTAINWALL AND ENTRANCE SYSTEMS

We offer recycled aluminum for extruded products with an industry leading content of post-consumer and pre-consumer material.

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Finishes



AAMA 2604
5 YEAR FINISH
WARRANTY

AAMA 2605
10 YEAR FINISH
WARRANTY

In addition to our stocked Clear and Bronze anodized, and White painted colors, we offer five more anodized finishes and 18 standard painted colors. Blended standard and custom colors are also available, providing you with an infinite variety. More than a palette of pretty colors, our finishes are tough and backed by some of the best warranties in the industry.

See Tubelite's Standard Finish Color Guide for detailed information on the exceptional performance, integrity and weatherability of our durable anodized finishes. This guide also gives specifications for color retention, erosion resistance and gloss retention of our high-quality, painted finishes.



TUBELITE®

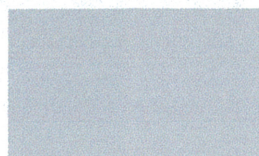
DEPENDABLE

LEADERS IN ECO-EFFICIENT STOREFRONT,
CURTAINWALL AND ENTRANCE SYSTEMS



More recycled content, eco-efficient finishes

Anodized Finishes



Clear Class 2 **C2**
Clear Class 1 **C1**



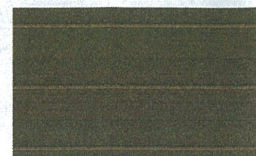
Light Champagne **LC**



Champagne **CH**



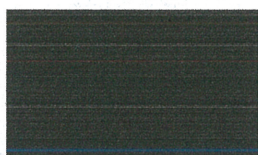
Light Bronze **LB**



Medium Bronze **MB**



Dark Bronze **DB**



Extra Dark Bronze **EB**



Black **BL**



Copper **CA**

Standard Painted Colors – 70% PVDF



Bone White **1P**
LT609-70



Colonial White **NP**
LT640-70



Sandstone **5P**
LT607-70



Burnt Sun **7P**
LT612-70



Antique Bronze **ZP**
LT641-70



Beige **BP**
LT603-70



Light Seawolf Beige **CP**
LT614-70



Dove Gray **VP**
LT615-70



Slate Gray **WP**
LT604-70



Charcoal Gray **XP**
LT605-70



Patina Green **SP**
LT616-70



Dark Ivy **TP**
LT617-70



Hartford Green **2P**
LT606-70



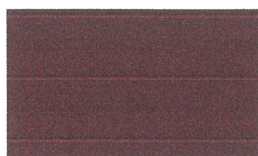
Military Blue **DP** LT610-70



Black **3P**
LT601-70



Colonial Red **RP**
LT622-70



Boysenberry **9P**
LT608-70



Sage Brown **8P**
LT620-70



Quaker Bronze **6P**
LT602-70

NOTE: Colors shown are not exact and are intended for planning purposes. For actual job, Tubelite® will supply Linetec color chips.