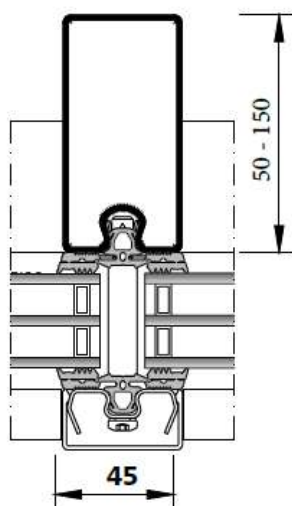
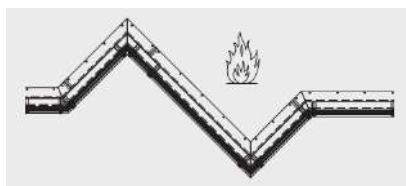
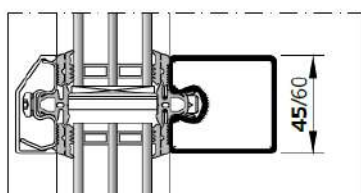


AAF-TV45

Curtain Walls



Thermfix Vario is the system for thermally insulated, internal and external grade, curtain walls and skylights comprising of mild steel profiles, stainless steel pressure plates and aluminium or stainless-steel cover caps.

The system boasts very narrow sightlines, with 45mm depth and has been tested for all aspects of safety, security and weather performance. Thermfix Vario is an extremely versatile system, as the performance can be altered simply by changing the glass.

The system has been comprehensively tested to both the European and North American standards for fire resistance, ballistic, burglary, and blast protection. The system is listed and labelled by M/S Intertek - a well-renown independent third-party certification body - and is approved by the Civil Defense authorities across the GCC.



Technical Data

	Description	Result	Standard
Material options	Black box steel (mildsteel) profiles		
	Galvanized steel profiles		
	Available profile widths: 45 mm and 60 mm		
	Stainless steel grade 304 available for some sections (brush finish grain 220-240)		
	Aluminium and stainless-steel capping with stainless steel pressure plates		
Fire resistant options	Fixed partitions	EI30 to EI120	EN 1634-1
	Fixed partitions	1 and 2 hours temperature rise restricted (T)	UL 463/ NFPA 251
Fire code compliance	European and North American Standards		
	NFPA 101 and NFPA 80		
	GCC Civil Defence Approved through local forster fabricators		
Tested design variants*	Tested with single, double and tripple glazed options		
	Classification from CE-tests according to EN13830:		
	Thermal insulation: U-Values	Up to 1.0 W/(m ² ·K)	
	Resistance to wind load	3 kN, safety load 4.5 kN	EN 12179
	Water Penetration	RE 1200	EN 12155
	Air permeability	AE (>600)	EN 12153
	Sound insulation	Rw up to 50dB	EN ISO140-3
	Impact resistance	E5/I5	EN 14019
	Burglary resistance	RC2-3	EN 1627-1630
	Ballistic rating	FB4, FB6 and FB7	EN 1522
System properties	Blast resistant facade	EPR1(S)	EN 131 23-1
	Extremely slender visible section widths (45mm and 60mm) and depth		
	Can be powder coated or wet paint coated (to be checked with local applicator)		
	Large glass panels available for fire rated systems		
	Extremely economical manufacturing without special equipment		
	Robust system, resistant to damage		
	Can be used in combination with forster presto and forster fuego light		
Environmental & Sustainability credentials	Environmental Product Declaration (EPD available)	Can apply online	
	High Recycle Content	Project specific declaration can be provided on request	