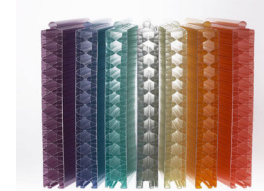


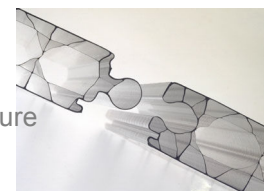
Profile Free Glazing Facades Twinfix Thermoclick System

For use in vertical glazing façade applications, the Twinfix Thermoclick system consists of 40 mm, UV protected, multiwall sheet panels with a profiled tongue and groove connection fitted into a thermally broken aluminium frame. This inter-connecting system eliminates the need for vertical profiles, thereby potentially saving costs and enhancing aesthetics. The X-Structure of the sheet provides exceptional stiffness and thermal insulation.



The thermally broken Twinfix Thermoclick system offers:

- Unique four wall with X-Structure
- UV protected outer surface for long-term weather resistance
- Good light transmission and light diffusion characteristics
- Extremely high stiffness, spans unsupported up to 2.5m, depending on wind pressure
- Excellent thermal insulation, helps to cut your carbon footprint
- High impact strength
- Easy and fast installation
- Clear sheets available as standard with colours to special order
- Solar Control IR version for optimal solar heat reduction also to special order



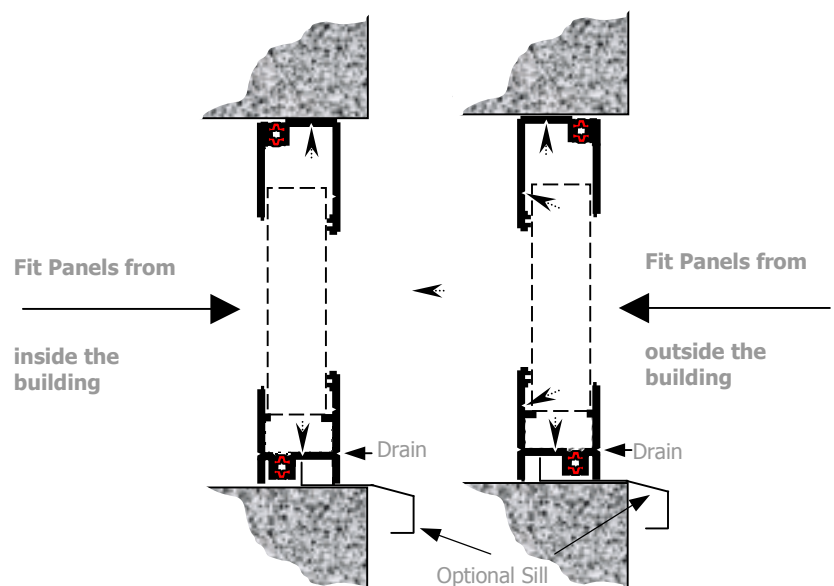
Use Twinfix Thermoclick for:

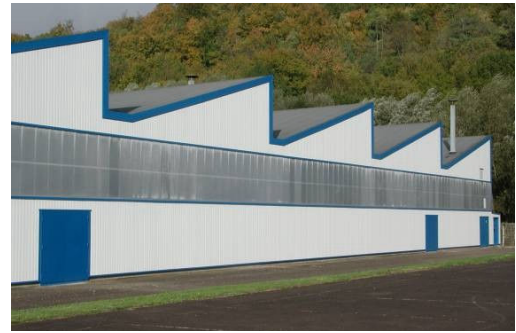
- Sports hall and swimming pool glazing
- External and internal warehouse glazing
- Plant room facades
- Vertically glazed screens
- Innovatively glazed facades



You can fix the thermally broken Twinfix Thermoclick system from either the inside or the outside, depending upon the span of your glazing and the local wind pressure conditions. For long spans the panels can be fixed to internal horizontal rails with unobtrusive fix keys.

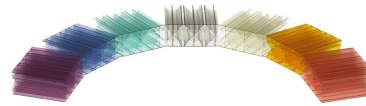
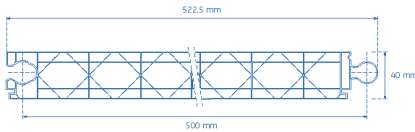
Please ask us for more details.





Property Profile of the polycarbonate glazing panels Test Method:

Panel width	c.t.c. 500 \pm 2.5 mm	
Standard Length	\leq 6 meter, $-0/+20$ mm	
	$>$ 6 m, $-0/+30$ mm	
Panel Thickness	40 mm \pm 0.8 mm	
Weight	4 kg / m \pm 5%	
Hail Impact	diam. 20 mm $V_{\geq 21}$ m/sec	TNO
Temperature resistance	-40 up to $+100^{\circ}\text{C}$	UL 746 B
K-Value	1.5 W/m ² K	DIN 52 619-2
Coefficient of linear thermal expansion	7×10^{-5} 1/ $^{\circ}\text{C}$	DIN 53752



Please note: As stated overleaf Clear material is available as standard: all other options require a minimum quantity order and will attract an additional lead time.

Color	Color #	LT*	Direct ST*	Total ST**	Solar Heat Gain Coeff. #	Shading Coeff. ##
Clear	112	59%	56%	64%	0.64	0.73
Opal White	WH7A092X	50%	48%	57%	0.57	0.66
Blue	BL6C024T	20%	38%	51%	0.51	0.58
Green	GN7C018T	46%	44%	55%	0.55	0.63
Purple	VT5C010T	15%	41%	54%	0.54	0.62
Red	RD7C005T	27%	44%	56%	0.56	0.64
Orange	OR6C012T	34%	42%	59%	0.59	0.68
Yellow	YW9C007T	59%	52%	61%	0.61	0.70
SC IR	GN8B038T	38%	23%	40%	0.40	0.46

* Light Transmission (LT) and Direct Solar Transmission (Direct ST) acc. EN 410 as measured on 600mm * 600mm samples

** Total Solar Transmission (Total ST) acc. EN 410 is the total solar energy that enters the interior of a building

Solar Heat Gain Coefficient or g-value is the total solar energy that enters the interior of a building, divided by 100

Shading Coefficient or b-value is the ratio of the total solar energy that enters the interior of a building with a given material and the total solar energy that enters the interior of a building with a standard 3mm glass panel



For help and assistance please ring us on **01925 811311** and we'll be happy to advise you on your application. Alternatively please go to our website www.twinfix.co.uk/thermoclick for further information.



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