

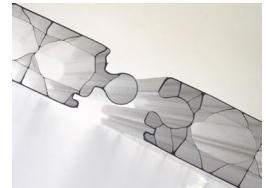
# Profile Free Facades

## Lexan\* Thermoclick\* Wall Panel

Mainly used in façade applications, Lexan\* Thermoclick\* sheet systems are made up of 40 mm, UV protected, multiwall sheet panels with a profiled tongue and groove connection. 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.

### Lexan\* Thermoclick\* [LTC404X4000] sheet offers:

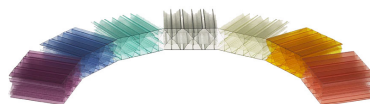
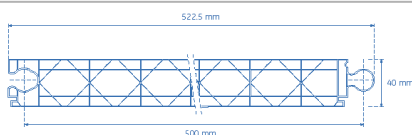
- Unique four wall with X-Structure
- UV protected surface for long-term weather resistance
- Good light transmission/light diffusion characteristics
- Extremely high stiffness
- Excellent thermal insulation
- High impact strength
- Easy and fast installation
- Wide range of colors and aesthetic effects
- Available in Solar Control IR version for optimal solar heat reduction
- Wide range of aluminum glazing profiles available through our authorized distributors and installers.



## Property Profile LTC404X4000

## Test Method

Panel width	c.t.c. 500 ± 2.5 mm	
Standard Length	≤ 6 meter -0+20 mm	
	> 6 meter -0+30 mm	
Panel Thickness	40 mm ± 0.8 mm	
Weight	4 kg / m ± 5%	
Hail Impact	diam. 20 mm V <sub>≥21</sub> m/sec	TNO
Temperature resistance	-40 up to +100°C	UL 746 B
K-Value	1.5 W/m ·K	DIN 52 619-2
Coefficient of linear thermal expansion	7 x 10 <sup>-5</sup> 1/°C	DIN 53752



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



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