



# Lexan<sup>\*</sup> Thermoclear<sup>\*</sup> Multiwall Sheet

Europe

Specialty Film & Sheet Product Guide

# Multiwall Sheet Reference Guide

## Structure/Gauge availability

- 2 wall rectangular, most basic Multiwall structure
- 3 wall rectangular, main product feature towards thermal insulation, available gauges are 8, 10, 16mm
- 3 wall X structure, main product feature towards loading performance, available gauge 16mm
- 5 wall rectangular, main product feature towards thermal insulation, only available in 10mm gauge
- 5 wall X structure, main product feature towards loading performance, available in gauges 16 (new!), 20, 25 and 32mm
- 9 wall X structure, main product feature towards thermal insulation, available in gauges 16, 18, 20, 25, 40, 45 and 55mm
- Lexan Thermoclick\* sheet, main product feature towards simple, fast and easy installation, available in gauges 40 (500mm width) and 50mm (1000mm width)
- Lexan Thermopanel sheet, main product feature towards excellent fit with existing metal sandwich roof panels, only available in 30mm gauge

## Coating availability

- Thermoclear 2UV Plus sheet is the standard coating applied to SABIC-IP MWS sheet and gives the product an excellent UV weathering performance.
- Thermoclear SunXP sheet is a coating which even enhances the weathering performance to the extent that SABIC-IP offers a fifteen year written limited warranty\*\* with this product
- Thermoclear EasyClean sheet gives the exterior faced surface of the product a hydrophobic behavior which allows less dirt to stick to the sheet
- Thermoclear Dripgard sheet gives the interior faced surface of the product a hydrophilic behavior preventing droplets to fall of the sheet, instead droplets will spread and roll down the surface to the side wall.
- Thermoclear Solar Control, the interior surface side will have a full surface Solar Control print lowering the solar transmittance coming from sun light
- Thermoclear Venetian, the interior surface side will have Venetian printed stripes as an aesthetic view of the product
- Solar Control IR (SCIR) reduces significantly the solar transmission coming from the sun while simultaneously offering high levels of light transmission

## Standard Portfolio

The SABIC-IP MWS standard portfolio can be ordered freely, SABIC-IP has more gauges and structures available on request, please contact your representative for these requests. All SABIC-IP Multiwall Sheet products are covered by a written limited warranty\*\*

\*\*See warranty for exact details

## Color Availability

### 3 Categories:

- Standard colors will have standard minimum order quantity's (MOQ) following the SABIC-IP current MOQ-file (please contact your SABIC-IP representative for the latest valid file)
- Custom colors have a MOQ of 3MT and color price surcharge following your current price list, please contact your SABIC-IP representative for the latest valid list)
- All other colors not listed on the MWS Color Availability List will have an MOQ of 5MT.



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# Multiwall Sheet Standard Portfolio

Product	Gauge (mm)	Weight (kg/m <sup>2</sup> )	U-value W/m <sup>2</sup> K	Structure	Grade name	Standard Sheet Size (mm)		Available Lengths	Standard Colors	MOQ* (MTO) (kg)
						Std. Width's	Standard Lengths			
<b>Lexan Thermoclear LT2UV</b> (10yr limited written warranty) 2 side UV Plus coating  Clear color# = 112 Opal color# = WH7A092X Bronze color# = 515055 2UVIR color# = GN8B038T	4.5	1,000	3,86	2-Wall Rectangular	LT2UV452RS10	1250, 2100	6000	3000 - 13000	Clear, Opal, Bronze	2000
	6	1,300	3,56	2-Wall Rectangular	LT2UV62RS13	1250, 2100	6000 / 7000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	8	1,500	3,26	2-Wall Rectangular	LT2UV82RS15	1250, 2100	5000 / 6000 / 7000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	10	1,700	3,02	2-Wall Rectangular	LT2UV102RS17	1250, 2100	4000 / 5000 / 6000 / 7000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	10	1,750	2,39	5-Wall Rectangular	LT2UV105R175	1250, 2100	6000 / 7000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	16	2,700	2,27	3-Wall Rectangular	LT2UV163TS27	980, 1250, 2100	2000 / 2500 / 3000 / 3500 / 4000 / 4500 / 5000 / 6000 / 7000	2000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	16	2,700	1,88	5-Wall X-structure	LT2UV165X27	1250-2100	--	3000 - 13000	Clear, Opal, Bronze, 2UVIR	3000
	16	2,500	1,77	9-Wall X-structure	LT2UV169X	980, 1250, 2095	6000 / 7000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	18	2,700	1,69	9-Wall X-structure	LT2UV189X	980, 1250, 2095	--	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	20	2,800	1,59	9-Wall X-structure	LT2UV209X	980, 1250, 2100	6000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	20	3,200	1,69	5-Wall X-structure	LT2UV205X32	1250	--	3000 - 13000	Clear, Opal, Bronze, 2UVIR	3000
	25	3,000	1,40	9-Wall X-structure	LT2UV259X	980, 1250, 2100	6000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	25	3,400	1,51	5-Wall X-structure	LT2UV255X34	1250	--	3000 - 13000	Clear, Opal, Bronze, 2UVIR	3000
	32	3,800	1,32	5-Wall X-structure	LT2UV325X38	1250	3000 / 3500 / 4000 / 4500 / 6000 / 7000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	1000
	40	4,300	1,10	9-Wall X-structure	LT2UV409X43	1200	6000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	3000
	45	4,500	1,04	9-Wall X-structure	LT2UV459X45	1200	6000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	3000
50	4,800	0,99	9-Wall X-structure	LT2UV509X48	1200	6000	3000 - 13000	Clear, Opal, Bronze, 2UVIR	3000	
<b>Lexan Thermoclear SunXP</b> (15yr limited written warranty)	8	1,500	3,26	2-Wall Rectangular	LT2XP82RS15	1250, 2100	--	3000 - 13000	Clear, Opal	3000
	10	1,750	2,39	5-Wall Rectangular	LT2XP102RS17	1250, 2100	--	3000 - 13000	Clear, Opal	3000
<b>Lexan Thermoclear EasyClean</b> (10yr limited written warranty)	10	1,700	3,02	2-Wall Rectangular	LTE102RS17	1250, 2100	--	3000 - 13000	Clear, Opal	3000
	16	2,700	2,27	3-Wall Rectangular	LTE163TS27	980, 1250, 2100	--	3000 - 13000	Clear, Opal	3000
<b>Lexan Thermoclear Dripgard</b> (10yr limited written warranty)	16	2,700	2,27	3-Wall Rectangular	LTD163TS27	980, 1250, 2100	--	3000 - 13000	Clear, Opal	5000
	16	2,800	2,27	3-Wall Rectangular	LTD163TS28	980, 1250, 2100	--	3000 - 13000	Clear, Opal	5000
<b>Lexan Thermoclear Solar printed</b> (10yr limited written warranty)	16	2,800	2,27	3-Wall Rectangular	LTC3TS27SC	980, 1200, 2100	--	3000 - 7000	Clear	840
	32	3,800	1,32	5-Wall X-structure	LTC5X38SC	1250	--	3000 - 7000	Clear	1140
<b>Lexan Thermoclear Venetian printed</b> (10yr limited written warranty)	6	1,300	3,56	2-Wall Rectangular	LTC2RS13VENS	1250, 2100	--	3000 - 7000	Clear	390
	10	1,700	3,02	2-Wall Rectangular	LTC2RS17VENS	1250, 2100	--	3000 - 7000	Clear	510
	16	2,700	2,27	3-Wall Rectangular	LTC3TS27VENS	980, 1250, 2100	--	3000 - 7000	Clear	810
Top side UV Plus Coating	20	2,800	1,59	9-Wall X-structure	LTC9X28VENS	980, 1250, 2100	--	3000 - 7000	Clear	840
Bottom side Venetian Stripes	25	3,500	1,51	5-Wall X-structure	LTC5X34VENS	1250	--	3000 - 7000	Clear	1050
	32	3,800	1,32	5-Wall X-structure	LTC5X38VENS	1250	--	3000 - 7000	Clear	1140
<b>Lexan Thermopanel</b> (10yr limited written warranty)	30	3,600	1,90	4-Wall Rectangular	LTP30E4RS36	945	--	3000 - 13000	Clear, Opal	3000
	30	3,600	1,55	3-Wall X-structure	LTP30F3X36	1000	--	3000 - 13000	Clear, Opal	3000
	30	3,600	1,55	3-Wall X-structure	LTP30G3X36	1150	--	3000 - 13000	Clear, Opal	3000
	30	3,600	1,55	3-Wall X-structure	LTP30L3X36	1000, 1100, 1150	--	3000 - 13000	Clear, Opal	3000
<b>Lexan Thermoclick</b> (10yr limited written warranty)	40	4,000	1,27	5-Wall X-structure	LTC404X4000	500	6000	3000 - 13000	Clear, Opal, 2UVIR, click colors	1000
	50	5,150	1,00	9-Wall X-structure	LTC509X	1000	6000	3000 - 13000	Clear, Opal, 2UVIR, click colors	1000
<b>Lexan Profiles</b> Top side UV co-extrusion U and H shaped	4	n/a	n/a	U and H shapes	LPUVU4/LPUVH4	n/a	U = 2100, H = 6000	n/a	Clear	20pcs
	6	n/a	n/a	U and H shapes	LPUVU6/LPUVH6	n/a	U = 2100, H = 6000	n/a	Clear	20pcs
	8	n/a	n/a	U and H shapes	LPUVU8/LPUVH8	n/a	U = 2100, H = 6000	n/a	Clear	20pcs
	10	n/a	n/a	U and H shapes	LPUVU10/LPUVH10	n/a	U = 2100, H = 6000	n/a	Clear	20pcs
	16	n/a	n/a	U and H shapes	LPUVU16/LPUVH16	n/a	U = 2100, H = 6000	n/a	Clear	20pcs

# Multiwall Sheet Typical Product Values

Structure	grade name	gauge (mm)	weight (kg/m <sup>2</sup> )	rib distance (mm)	ISO 10077 U value (W/m <sup>2</sup> K)	LT clear 112 (%)	LT opal white WH7A092X (%)	TST clear 112 (%)	TST opal white WH7A092X (%)
2-Wall Rectangular	LT2UV452RS10	4,5	1,0	6	3,86	83	67	83	70
	LT2UV62RS13	6	1,3	6	3,56	82	66	82	69
	LT2UV82RS15	8	1,5	10	3,26	81	64	82	68
	LT2UV102RS17	10	1,7	10	3,02	81	64	80	68
3-Wall Rectangular	LT2UV163TS27	16	2,7	20	2,27	74	63	78	69
5-Wall Rectangular	LT2UV105R175	10	1,75	8	2,39	65	60	65	59
5-Wall X-Structure	LT2UV165X27	16	2,7	20	1,88	59	51	58	52
	LT2UV205X32	20	3,2	20	1,69	58	50	66	51
	LT2UV255X34	25	3,4	20	1,51	57	49	65	54
	LT2UV325X38	32	3,8	20	1,32	55	48	65	48
9-Wall X-Structure	LT2UV169X	16	2,5	20	1,77	54	47	54	49
	LT2UV189X	18	2,7	20	1,69	53	46	53	48
	LT2UV209X	20	2,8	20	1,59	53	47	53	50
	LT2UV259X	25	3,0	20	1,40	51	44	52	47
	LT2UV409X43	40	4,3	20	1,10	51	43	52	48
	LT2UV459X45	45	4,5	20	1,04	50	42	52	47
	LT2UV509X48	50	4,8	20	0,99	50	40	52	47
Thermopanel	LTP30E4RS36	30	3,6	20	1,90	67	52	76	67
	LTP30F3X36	30	3,6	20	1,55	70	67	67	63
	LTP30G3X36	30	3,6	20	1,55	70	67	67	63
	LTP30L3X36	30	3,6	20	1,55	70	67	67	63
Thermoclick	LTC404X4000	40	4,0	40	1,27	59	50	64	57
	LTC509X	50	5,15	21	1,00	47	37	50	45

U-values based on SABIC-IP calculated values according ISO 10077 (EN 673)

LT (Light Transmission) and TST (Total Solar Transmission) measurements acc. ISO 9050 (EN 410) on 600mm \* 600mm samples

TST (Total Solar Transmission) divided by 100 equals Solar Heat Gain Coefficient (SHGC) or g-value

# Multiwall Sheet Stock Item Listing

MWS Stock item availability*								
Product	Dimensions	Sheet per pallet	kg/pallet	Product	Dimensions	Sheet per pallet	kg/pallet	
LT2UV452RS10-112-0-Z2797	4.5MM-2100MM-6000MM	80	1008	LT2UV163TS27-112-0-Z5710	16MM-1200MM-4000MM	25	324	
LT2UV62RS13-112-0-Z3904	6MM-2100MM-6000MM	60	983	LT2UV163TS27-112-0-Z5713	16MM-1200MM-4500MM	25	365	
LT2UV62RS13-112-0-Z3909	6MM-2100MM-7000MM	60	1147	LT2UV163TS27-112-0-Z5716	16MM-1200MM-5000MM	25	405	
LT2UV62RS13-515055-0-Z3904	6MM-2100MM-6000MM	60	983	LT2UV163TS27-112-0-Z5719	16MM-1200MM-6000MM	25	486	
LT2UV62RS13-WH7A092X-0-Z3904	6MM-2100MM-6000MM	60	983	LT2UV163TS27-112-0-Z5721	16MM-1200MM-7000MM	25	567	
LT2UV82RS15-112-0-Z4345	8MM-2100MM-5000MM	45	709	LT2UV163TS27-112-0-Z5794	16MM-1250MM-6000MM	25	506	
LT2UV82RS15-112-0-Z4350	8MM-2100MM-6000MM	45	851	LT2UV163TS27-112-0-Z5802	16MM-1250MM-7000MM	25	591	
LT2UV82RS15-112-0-Z4354	8MM-2100MM-7000MM	45	992	LT2UV163TS27-112-0-Z5976	16MM-2100MM-6000MM	25	851	
LT2UV82RS15-515055-0-Z4350	8MM-2100MM-6000MM	45	851	LT2UV163TS27-112-0-Z5984	16MM-2100MM-7000MM	25	992	
LT2UV82RS15-WH7A092X-0-Z4350	8MM-2100MM-6000MM	45	851	LT2UV163TS27-515055-0-Z5976	16MM-2100MM-6000MM	25	851	
LT2UV102RS17-112-0-Z4780	10MM-1250MM-6000MM	40	510	LT2UV163TS27-515055-0-Z5984	16MM-2100MM-7000MM	25	992	
LT2UV102RS17-112-0-Z4784	10MM-1250MM-7000MM	40	595	LT2UV163TS27-WH7A092X-0-Z5535	16MM-980MM-7000MM	25	463	
LT2UV102RS17-112-0-Z4981	10MM-2100MM-4000MM	40	571	LT2UV163TS27-WH7A092X-0-Z5794	16MM-1250MM-6000MM	25	506	
LT2UV102RS17-112-0-Z5000	10MM-2100MM-5000MM	40	714	LT2UV163TS27-WH7A092X-0-Z5802	16MM-1250MM-7000MM	25	591	
LT2UV102RS17-112-0-Z5018	10MM-2100MM-6000MM	40	857	LT2UV163TS27-WH7A092X-0-Z5976	16MM-2100MM-6000MM	25	851	
LT2UV102RS17-112-0-Z5037	10MM-2100MM-7000MM	40	1000	LT2UV163TS27-WH7A092X-0-Z5984	16MM-2100MM-7000MM	25	992	
LT2UV102RS17-515055-0-Z5018	10MM-2100MM-6000MM	40	857	LT2UV169X-112-0-ZM008	16MM-2095MM-6000MM	25	786	
LT2UV102RS17-WH7A092X-0-Z5018	10MM-2100MM-6000MM	40	857	LT2UV169X-112-0-ZM009	16MM-2095MM-7000MM	25	917	
LT2UV102RS17-WH7A092X-0-Z5037	10MM-2100MM-7000MM	40	1000	LT2UV169X-WH7A092X-0-ZM008	16MM-2095MM-6000MM	25	786	
LT2UV105R175-112-0-Z5018	10MM-2100MM-6000MM	40	882	LT2UV169X-WH7A092X-0-ZM009	16MM-2095MM-7000MM	25	917	
LT2UV105R175-112-0-Z5037	10MM-2100MM-7000MM	40	1029	LT2UV209X-112-0-Z6157	20MM-2100MM-6000MM	20	706	
LT2UV105R175-WH7A092X-0-Z5018	10MM-2100MM-6000MM	40	882	LT2UV259X-112-0-Z6274	25MM-1250MM-6000MM	20	450	
LT2UV105R175-WH7A092X-0-Z5037	10MM-2100MM-7000MM	40	1029	LT2UV259X-112-0-Z6306	25MM-2100MM-6000MM	20	756	
LT2UV163TS27-112-0-Z5475	16MM-980MM-2000MM	25	132	LT2UV325X38-112-0-Z6500	32MM-1250MM-3000MM	20	285	
LT2UV163TS27-112-0-Z5481	16MM-980MM-2500MM	25	165	LT2UV325X38-112-0-Z6502	32MM-1250MM-3500MM	20	333	
LT2UV163TS27-112-0-Z5487	16MM-980MM-3000MM	25	199	LT2UV325X38-112-0-Z6505	32MM-1250MM-4000MM	20	380	
LT2UV163TS27-112-0-Z5494	16MM-980MM-3500MM	25	232	LT2UV325X38-112-0-Z6506	32MM-1250MM-4500MM	20	428	
LT2UV163TS27-112-0-Z5502	16MM-980MM-4000MM	25	265	LT2UV325X38-112-0-Z6510	32MM-1250MM-6000MM	20	570	
LT2UV163TS27-112-0-Z5512	16MM-980MM-4500MM	25	298	LT2UV325X38-112-0-Z6514	32MM-1250MM-7000MM	20	665	
LT2UV163TS27-112-0-Z5515	16MM-980MM-5000MM	25	331	LT2UV325X38-WH7A092X-0-Z6514	32MM-1250MM-7000MM	20	665	
LT2UV163TS27-112-0-Z5530	16MM-980MM-6000MM	25	397	LTC404X4000-112-0-Z6587	40MM-500MM-6000MM	50	600	
LT2UV163TS27-112-0-Z5535	16MM-980MM-7000MM	25	463					

\* Please check with your SABIC-IP representative for the latest MOQ update.

# Multiwall Sheet Color Availability

## Standard Colors With Standard MOQ (All products)

Color Number	Description
112	Standard Clear Color
WH7A092X	Standard Opal White Color
515055	Standard Bronze color
GN8B038T	Standard SCIR Green Color
BL8B089T	Standard SCIR Blue Color
GY5B422T	Standard SCIR Grey Color
112BWS	Venetian Printed Stripes
112BSC	Solar Control, Opal White Print

## Custom Colors With 3000kg MOQ (All products)

Color Number	Description
81002	Custom Opal White color
8045	Custom Opal White color
WH5C060X	Custom Opal White color
SOFTL	Custom Opal White Solt Lite color
215102	Custom Blue Color
31923	Custom Green Color
715081	Custom Grey Color
GY6A744M	Custom Metallic Grey Look

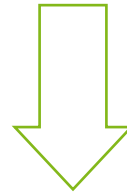
## Standard Thermoclick Colors With 1000kg MOQ

Color Number	Description
BL6C024T	Thermoclick Blue Color
GN7C018T	Thermoclick Green Color
VT5C010T	Thermoclick Purple/Violet Color
RD7C005T	Thermoclick Red Color
OR6C012T	Thermoclick Orange Color
YW9C007T	Thermoclick Yellow Color

MOQ's may vary per gauge/structure/coating type chosen.  
Please check with your SABIC-IP representative for the latest MOQ update.

# Multiwall Sheet Packaging

## Lexan\* Thermoclear\* High Performance Polycarbonate Sheet



SABIC-IP Pallet Logo

Number of Sheets per pallet

Lexan Thermoclear 6 and 7 meter length													
Width (mm)	4mm	4.5mm	6mm	8mm	10mm	16mm	18mm	20mm	25mm	32mm	40mm	45mm	50mm
980	--	--	--	--	--	25	20	20	20	--	--	--	--
1050	--	--	60	45	40	25	--	--	20	--	--	--	--
1200	--	--	60	45	40	25	20	20	20	--	17	15	13
1250	--	--	60	45	40	25	20	20	20	20	--	--	--
2100	100	80	60	45	40	25	20	20	20	--	--	--	--

Lexan Thermoclick		
Width (mm)	Gauge 40mm	Gauge 50mm
500	50	--
1000	--	20

Lexan Thermopanel	
width (mm)	Sheets per pallet
945	32
1000	32
1100	32
1150	32

Lexan UV protected Profiles		
Gauge (mm)	U-Profiles	H-Profiles
4	50 x 2.1mtr	20 x 6mtr
6	50 x 2.1mtr	20 x 6mtr
8	50 x 2.1mtr	20 x 6mtr
10	50 x 2.1mtr	20 x 6mtr
16	50 x 2.1mtr	10 x 6mtr

Note: Based on requested sizes of sheets SABIC-IP preserves the right to optimize packaging. If customer requires different amounts of sheets on a pallet from the optimized number a price surcharge will be applied.

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