

CHEMISTRY THAT MATTERS™



EXTERNAL PRODUCT GUIDE

LEXAN™ THERMOCLEAR™

FUNCTIONAL FORMS EUROPE

April 2023



LEXAN™ THERMOCLEAR™ SHEET - MULTIWALL PRODUCT REFERENCE GUIDE

STRUCTURE/GAUGE AVAILABILITY

- 2 wall rectangular structure, most basic Multiwall structure.
Available in 4.5, 6, 8 & 10mm.
- 3 wall tunnel structure, main product feature towards thermal insulation.
Available in 16mm.
- 5 wall rectangular structure, main product feature towards thermal insulation.
Available in 10mm.
- 5 wall X structure, main product feature towards loading performance.
Available in gauges 16, 20, 25 and 32mm
- 9 wall X structure, main product feature towards thermal insulation and light weight.
Available in gauges 16, 20, 25 and 32mm
- LEXAN THERMOCLICK™ sheet, main product feature towards simple, fast and easy installation.
Available in the gauge 40MM

COATING AVAILABILITY

- LEXAN™ THERMOCLEAR™ 2UV Plus sheet is the standard coating applied on both sides of the SABIC MWS sheet and gives the product an excellent UV weathering performance..
- THERMOCLEAR DRIPGARD sheet gives the interior faced surface of the product a hydrophilic behavior droplets will spread and roll down the surface to the side wall.
- SOLAR CONTROL IR (SCIR) reduces significantly the solar transmission coming from the sun while simultaneously offering high levels of light transmission.

STANDARD PORTFOLIO

Standard multiwall sheet portfolio of Functional Forms business can be ordered from our offices or representatives. For gauges and structures that are not listed in this guide, please contact your FF representative for availability of these products.
All promoted multiwall sheet products under SABIC's Functional Forms business come with a written limited warranty**.

**See warranty for exact details

COLOR AVAILABILITY

3 CATEGORIES:

- Standard colors will have standard price volume (SPV) following the SABIC current SPV-guide please contact your SABIC representative for the latest valid file.
- Custom colors have a SPV of 3MT and color price surcharge following your current price list, please contact your SABIC representative for the latest valid list.
- All other colors not listed on the MWS Color Availability List (page 4) will have a SPV of 5MT.

LEXAN™ THERMOCLEAR™ SHEET - MULTIWALL PRODUCT TYPICAL PRODUCT VALUES

Structure	grade name	gauge (mm)	Std Width MM	Available lengths MM	weight (kg/m2)	rib distance (mm)	ISO 10077 U value (W/m2 K)	Sound Red value‡ (dB)	Hail impact Test¶ (m/sec)
2-Wall Rectangular	LT2UV452RS10	4.5	2100	3000 - 13000	1.0	6	3.86	15	>21
	LT2UV62RS13	6	1200-2100	3000 - 13000	1.3	6	3.56	17	>21
	LT2UV82RS15	8	1200-2100	3000 - 13000	1.5	10	3.26	17	>21
	LT2UV102RS17	10	1200-2100	3000 - 13000	1.7	10	3.02	18	>21
3-Wall Rectangular	LT2UV163TS27	16	980-1200-2100	3000 - 13000	2.7	20	2.27	18	>21
5-Wall Rectangular	LT2UV105R175	10	2100	3000 - 13000	1.75	8	2.48	19	>21
5-Wall X-Structure	LT2UV165X26	16	980-1200-2100	3000 - 13000	2.6	20	1.88		>21
	LT2UV205X32	20	1200-2100	3000 - 13000	3.2	20	1.69		>21
	LT2UV255X34	25	1200-2100	3000 - 13000	3.4	20	1.51		>21
	LT2UV325X38	32	980-1200-2100	3000 - 13000	3.8	20	1.32	21	>21
9-Wall X-Structure	LT2UV169X	16	980-1200-2095	3000 - 13000	2.5	20	1.77		>21
	LT2UV209X	20	980-2095	3000 - 13000	2.8	20	1.59	18	>21
	LT2UV259X	25	980-1200-2095	3000 - 13000	3.0	20	1.40	21	>21
	LT2UV329X38	32	980-1200-2095	3000 - 13000	3.8	20	1.20		>21
THERMOCLICK™ SHEET	LTC404X4000	40	500	3000 - 13000	4.0	40	1.27	21	>21

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

¶ Hail simulation test developed by TNO, the Netherlands, artificial hailstones of 20 mm diameter are shot at the sheet at min. speed of 21 m/sec.

Profiles	Gauge (mm)	Structure	Grade name	Available Lengths
U and H shaped	6	U and H shapes	LPUVU6 /LPUVH6	U = 2100, H = 6000
	8	U and H shapes	LPUVU8/LPUVH8	U = 2100, H = 6000
	10	U and H shapes	LPUVU10/LPUVH10	U = 2100, H = 6000
	16	U and H shapes	LPUVU16/LPUVH16	U = 2100, H = 6000

LEXAN™ THERMOCLEAR™ SHEET - MULTIWALL PRODUCT TYPICAL PRODUCT VALUES

grade name	gauge (mm)	Clear - 112						Opal White - WH7A092X						Solar control IR Green - GN8B038T					
		LT %	TST %	DST %	SHGC	LSGR	SC	LT %	TST %	DST %	SHGC	LSGR	SC	LT %	TST %	DST %	SHGC	LSGR	SC
LT2UV452RS10	4.5	83	83	-	0.83	1.00	0.95	67	70	-	0.7	0.96	0.8	n/a	n/a	n/a	n/a	n/a	n/a
LT2UV62RS13	6	82	82	76	0.82	1.00	0.94	66	69	63	0.69	0.96	0.79	66	60	47	0.6	1.10	0.69
LT2UV82RS15	8	81	82	77	0.82	0.99	0.94	64	68	62	0.68	0.94	0.78	65	61	47	0.61	1.07	0.7
LT2UV102RS17	10	81	80	76	0.8	1.01	0.92	64	68	62	0.68	0.94	0.78	65	60	45	0.6	1.08	0.69
LT2UV163TS27	16	74	78	70	0.78	0.95	0.9	63	69	60	0.69	0.91	0.79	55	52	36	0.52	1.06	0.6
LT2UV105R175	10	65	65	61	0.65	1.00	0.75	60	59	58	0.59	1.02	0.68	48	48	34	0.48	1.00	0.56
LT2UV165X26	16	59	58	-	0.58	1.02	0.67	51	52	NPD	0.52	0.98	NPD	NPD	NPD	NPD	NPD	NPD	NPD
LT2UV205X32	20	58	66	-	0.66	0.88	0.76	50	51	NPD	0.51	0.98	NPD	NPD	NPD	NPD	NPD	NPD	NPD
LT2UV255X34	25	57	65	-	0.65	0.88	0.75	49	54	NPD	0.54	0.91	NPD	38	44	25	0.44	0.86	0.51
LT2UV325X38	32	55	65	54	0.65	0.85	0.6	48	48	46	0.48	1.00	0.55	36	42	23	0.42	0.86	0.49
LT2UV169X	16	54	54	51	0.54	1.00	0.62	47	49	45	0.49	0.96	0.56	38	39	25	0.39	0.97	0.45
LT2UV209X	20	53	53	50	0.53	1.00	0.61	47	50	46	0.5	0.94	0.57	37	39	25	0.39	0.95	0.45
LT2UV259X	25	51	52	49	0.52	0.98	0.6	44	47	42	0.47	0.94	0.54	36	37	23	0.37	0.97	0.42
LT2UV329X38	32	tbm	tbm	48	-	-	0.61	44	48	43	0.48	0.92	0.55	-	-	-	-	-	-
LTC404X4000	40	59	57	-	0.57	1.04	-	46	51	-	0.51	-	-	-	-	-	-	-	-

U-values based on SABIC 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

LEXAN™ THERMOCLEAR™ SHEET - MULTIWALL PRODUCT COLOR & COATING AVAILABILITY

Standard Colors	
Color Number	Description
112	Clear Color
WH7A092X	Opal White Color
515055	Bronze color

Coating Possibilities				Transportation Tape
Top Side	Bottom Side			
Plus -Standard UV coating	Plus -Standard UV coating	→	Standard LT2UV	Yellow
Plus -Standard UV coating	Dripgard - anti drip coating	→	Standard LTD	Green

Custom Colors	
Color Number	Description
81002	Opal White color
SOFTL	Opal White Soft Lite color
215102	Blue Color
715081	Grey Color
GN8B038T	SCIR Green Color

Standard THERMOCLICK Colors	
Color Number	Description
BL6C024T	THERMOCLICK™ Sheet Blue Color
GN7C018T	THERMOCLICK Green Color
VT5C010T	THERMOCLICK Purple/Violet Color
RD7C005T	THERMOCLICK Red Color
OR6C012T	THERMOCLICK Orange Color
YW9C007T	THERMOCLICK Yellow Color
GN8B038T	Standard SCIR Green Color

LEXAN™ THERMOCLEAR™ SHEET PACKAGING

LEXAN™ THERMOCLEAR™ SHEET High Performance Polycarbonate Sheet



SABIC Pallet Logo

Number of Sheets per Pallet

LEXAN THERMOCLEAR SHEET 6 and 7 meter length								
Width (mm)	4.5mm	6mm	8mm	10mm	16mm	20mm	25mm	32mm
980	--	--	--	--	25	20	20	20
1050	--	60	45	40	25	--	20	--
1200	--	60	45	40	25	20	20	20
2100	80	60	45	40	25	20	20	20

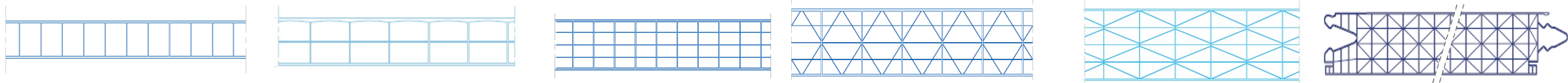
LEXAN THERMOCLICK™ SHEET	
Width (mm)	40mm
500	50

LEXAN UV PROTECTED SHEET PROFILES		
Gauge (mm)	U-Profiles	H-Profiles
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 actual requested sizes of sheets SABIC preserves the right to optimize packaging

If a customer requires different amounts of sheet on a pallet from the optimized number a price surcharge will be applied

LEXAN™ THERMOCLEAR™ SHEET - MULTIWALL PRODUCT STRUCTURE OVERVIEW



	2-wall RS	3-wall TS	5-wall RS	5-wall X	9-wall X	THERMOCLICK™ SHEET
4.5 mm	x					
6 mm	x					
8 mm	x					
10 mm	x		x			
16 mm		x		x	x	
20 mm				x	x	
25 mm				x	x	
32 mm				x	x	
40 mm						x

Other structures for project purposes available, please check with PM for the options.

CONTACT US:

SABIC CORPORATE HQ

PO Box 5101
Riyadh 11422
Saudi Arabia
T +966 (0) 1 225 8000
E info@sabic.com

AMERICAS

SABIC
Functional Forms
2500 CityWest Boulevard
Suite 100
Houston, TX 77042
USA
Toll-free (800) 323 3783
E spinside.sales@sabic.com

EUROPE

SABIC
Functional Forms
Plasticslaan 1
4612 PX
Bergen op Zoom
The Netherlands
T +31 (0)164 293684
E ff.info@sabic.com

PACIFIC

SABIC
Functional Forms
2550 Xiupu Road
Pudong
201319 Shanghai
China
T +86 20 2866 6168
E ff.info@sabic.com

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