Monolithic Safety Glass

Production capabilities ECKELT

I. MONOLITHIC SAFETY GLASS (FT)

1. Dimensions

1.1 Rectangular shape

Maximum sizes	3 mm	1000 x 2000 mm	
	4 mm	2140 x 4000 mm	
	5 mm	2500 x 4200 mm	
	6 mm	2500 x 5000 mm	
	8 mm	2800 x 6000 mm	
	10 mm	2800 x 6000 mm	
	12 mm	2800 x 6000 mm	
	15 mm	2800 x 6000 mm*	
	19 mm	2800 x 6000 mm*	
	25 mm	2800 x 6000 mm*	only with concession

* **Maximum weight**	570 kg/piece
Minimum size	100 x 300 mm
Aspect ratio	max. 1:20

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1.2 Patterned glass

Maximum szie	4 mm	1200 x 2000 mm
	5 mm	1500 x 2500 mm
	6 mm	2000 x 3000 mm
	8 mm	2000 x 4300 mm
	10 mm	2000 x 4300 mm

1.3 Heat-Soak-Test

Maximum size		2800 x 6000 mm

1.4 PLANIDUR (Heat-Strengthened)

Maximum size	4 mm	2140 x 4000 mm
	5 mm	2500 x 4200 mm
	6 mm	2500 x 5000 mm
	8 mm	2800 x 6000 mm
	10 mm	2800 x 6000 mm
	12 mm	2800 x 6000 mm

1.5 PLANITHERM ULTRA N II + COOL-LITE SKN 174 II (Low-E coated glass)

Maximum size	4 mm	2000 x 3500 mm
	6 mm	2500 x 4500 mm
	8 mm	2700 x 5300 mm
	10 mm	2700 x 5300 mm

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2. Processing possibilities

2.1 Edge working

Workable thicknesses		4 – 25 mm
Maximum weight		625 kg

Edge Types

Arrised, KGS	min.	100 x 100 mm
	max.	2550 x 6000 mm
Flat Ground, KGN	min.	120 x 120 mm
	max.	2800 x 5990 mm
Special forms	max.	2650 x 5500 mm
Polished, KPO	min.	120 x 120 mm
	max.	2800 x 5990 mm
Special forms	max.	2650 x 5500 mm

2.2 Edge shapes

Mitres	0 – 60°	
	min.	150 x 150 mm
	max.	2500 x 4070 mm
CNC-grinding	min.	100 x 300 mm
	max.	2100 x 3900 mm
Water-jet cutting	min.	150 x 650 mm
Workable size	max.	2650 x 5500 mm
Sheet size	max.	2650 x 6000 mm
Sheet thickness	max.	3 – 80 mm

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2.3 Drilled holes

Glass	max. 2650 x 6000 mm
Cylindrical drilled hole	diameter ≥ 8 mm
Countersunk drilled hole 90°	diameter ≥ 10 mm up to ≤ 50mm
Edge kerf	
Glass size	max. 2600 x 4000 mm
Glass thickness 10 mm	max. 20 x 4 mm
Glass thickness > 12 mm	max. 25 x 4 mm

3. Screenprint

	min.	200 x 300 mm
Thickness	4 mm	max. 2000 x 3600 mm
Thickness	5 mm	max. 2000 x 4000 mm
Thickness	6 – 12 mm	max. 2800 x 6000 mm
Thickness	15 mm	16,5 m² max. 620 kg
	19 mm	13,0 m² max. 620 kg

3.1 on patterned glass

Possible glass types:

MASTER-CARRE, -POINT, -LENS	thicknesses 6 / 8 mm
LISTRAL L	thicknesses 8 / 10 mm
CREPI 504	thicknesses 4 / 6 mm

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4. EMALIT-H (enamel)

4.1 Roller applied

	min.	100 x 300 mm
Thickness	4 mm	2020 x 3600 mm
	5 mm	2020 x 4200 mm
	6 mm	1800 x 4700 mm
	8 – 12 mm	2020 x 4700 mm
	15 mm	3,7 m² max. width 1800 mm
	19 mm	3,0 m² max. width 1800 mm

Possible glass types:

MASTER-POINT, MASTER-LENS	thicknesses 6 / 8 mm
LISTRAL L	thicknesses 8 / 10 mm
CREPI 504	thickness 6 mm

Laminated Safety Glass

II. LAMINATED SAFETY GLASS

1. Dimensions

Maximum size	2650 x 5200 mm
or	2000 x 5600 mm
or	1650 x 6000 mm
2 x 4 mm Float	2140 x 4000 mm
Minimum size	250 x 400 mm
max. weight	1000 kg/piece
max. laminate thickness	100 mm

III. INSULATED GLASS UNITS

1. Dimensions

Double IGU

	max.	3210 x 6000 mm
	min.	180 x 350 mm

Tripple IGU

	max.	3210 x 6000 mm
mid pane	max.	8 mm
mid pane		≥ 10 mm
	max.	5000 x 2200 mm

Oversize		On request
Steped edge	4 sided	50 / 250/ 250 / 250 mm
Sheet thickness		3 – 19 mm
IGU thickness		bis 90 mm

Insulated glass units

Weight max. 990 kg

2. Gas filling

Argon / Krypton

3. Spacer bar systems

Standard	Alu	6 / 8 / 10 / 12 / 14 / 15 / 16 / 18 / 20 / 22 / 24
Stainless CHROMATECH PLUS, black ribbed		8 / 10 / 12 / 14 / 16 / 18 / 20
Stainless CHROMATECH PLUS, blank ribbed		10 / 12 / 14 / 16 / 18 / 20

Stock sheets

IV. Stock sheets

1. Patterned glass*

MASTER-POINT	6 / 8 mm	4350 x 2040 mm
MASTER-LENSE	6 / 8 mm	4350 x 2040 mm
MASTER-CARRE	6 / 8 mm	4350 x 2040 mm
MASTER-LIGNE	6 / 8 mm	4350 x 2040 mm
LISTRAL L	8 / 10 mm	4350 x 2520 mm
CREPI 504	4 / 6 mm	3350 x 2040 mm

**laminated safety glass not possible*

2. Special glass / Glass products

MIRASTAR	6 / 8 / 10 mm	6000 x 3210 mm
ROOFLITE		1600 x 1200 mm
		1600 x 1400 mm
		1900 x 1400 mm