

glass production in XL dimension

production capabilities



eckelt




vandaglas Eckelt specializes in the finishing of complex and demanding facade glass in XL format up to 8 x 3,3 m. Our production program provides an overview of our **standard production sizes**. Our experts can **evaluate the technical feasibility** limits for customized products, including dimensions, glass thicknesses, shapes and additional structures, **upon request**. In addition to production sizes, it is essential that the product tolerances outlined in the Quality Manual are taken into account at the design stage.

Our team can provide technical support for our **special products, including SSG bonding, screw fittings, factory assembly of fittings and any other bespoke solutions** you require. Please do not hesitate to contact us for expert advice.

1. cutting

1.1 rectangular shape	
maximum size	
4 mm	2500 x 3000 mm
5 mm	3000 x 4200 mm
6 mm	3204 x 5000 mm or 2000 x 6500 mm
8 - 19 mm	3204 x 7994 mm

2. processing possibilities

2.1 edge working	
 arrised, KGS	min. 180 x 350 mm max. 2520 x 5000 mm
 flat ground, KGN	min. 190 x 560 mm max. 3204 x 7994 mm
 polished, KPO	min. 190 x 560 mm max. 3204 x 7994 mm

2.2 additional processing possibilities	
mitres 45°	ok
drilling and grinding	ok
CNC-grinding/milling	ok
water-jet cutting	ok
cylindrical drilled holes	ok
countersunk drilled hole 90°	ok
notches	ok

3. tempering (TEMP)

3.1 general	
minimum size	200 x 300 mm
weight	max. 1200 kg
aspect ratio	1:20 <i>up to 1:30 possible after technical inspection</i>

3.2 fully tempered (FT) fully tempered heat soak tested (FT-H) without low-e	
maximum size	
4 mm	2000 x 3000 mm
5 mm	2000 x 3000 mm
6 mm	3204 x 5000 mm or 2000 x 6500 mm
8 - 19 mm	3204 x 7994 mm

3.2 fully tempered (FT) fully tempered heat soak tested (FT-H) with low-e	
maximum size	
4 - 5 mm	2000 x 3000 mm
6 mm	3204 x 5000 mm or 2000 x 6500 mm
8 - 12 mm	3204 x 7994 mm
15 - 19 mm	on request

3.3 heat strengthened (HS) without low-e	
maximum size	
4 mm	2500 x 3500 mm
5 mm	3000 x 4200 mm
6 mm	3204 x 5000 mm or 2000 x 6500 mm
8 - 12 mm	3204 x 7994 mm

3.4 heat strengthened (HS) with low-e	
maximum size	
4 - 5 mm	2500 x 3500 mm
6 mm	3204 x 5000 mm or 2000 x 6500 mm
8 - 10 mm	3204 x 7994 mm

3.5 FT HS with low-e when laminated	
maximum size	
4 - 5 mm	2500 x 3500 mm
6 mm	3100 x 5000 mm or 2000 x 6000 mm
8 mm	3100 x 7500 mm
10 - 12 mm	2800 x 7994 mm or 3204 x 6000 mm
15 - 19 mm	on request

4. screen printing

4.1 design print	
minimum size	200 x 300 mm
maximum size	
4 mm	1500 x 3000 mm
5 mm	2000 x 4500 mm
6 – 19 mm	2800 x 5000 mm, max. 290 kg

5. enameling

5.1 roller applied	
minimum size	200 x 300 mm
maximum size	
4 mm	1500 x 3000 mm
5 mm	2020 x 3500 mm
6 - 8 mm	2020 x 4700 mm
10 – 19 mm	2020 x 4700 mm, max. 210 kg

6. laminated safety glass (LAMI)

6.1. LAMI made of tempered (FT) or heat strengthened glass (HS) with PVB interlayer	
minimum size	300 x 650 mm
maximum size	3204 x 7994 mm according to max. dimensions of the primary products (Float, FT, HS)
min. interlayer thickness	0,76 mm
max. weight	2500 kg/piece <i>Please note that coated glass reduces the weight by 30%.</i>
max. laminate thickness	100 mm

7. insulated glass units (IGU)

double insulated glass units (DGU)	
minimum size	210 x 300 mm
maximum size	3210 x 7994 mm

triple insulated glass units (TGU)	
minimum size	210 x 300 mm
maximum size	3204 x 7994 mm
mid pane	max. 8 mm
stepped edge 3-sided	up to 1000 mm lateral
stepped edge 4-sided	1 edge max. 50 mm, up to 1000 mm lateral
sheet thickness	4 - 19 mm
IGU thickness	up to 100 mm
weight	max. 2000 kg
gas filling	Argon, Krypton