

Maximum Heat Treated Glass Sizes for Different Thickness'

When specifying the glass thickness for a project it is important to consider the maximum sizes that different glass thicknesses are available in when they are heat treated.

With many OKALUX products it is a requirement that the glasses are heat treated to avoid the risk of thermal shock occurring. This is also required where glass is back painted or subject to shading

This means that while, for example, a 5mm thick glass may meet the loading requirements, should the panel size be in excess of 2100mm x 3500mm the next available thickness should be selected.

In the case of laminated glass the maximum available size of the individual panes of the laminate will dictate the overall thickness.

The tables below give a general guide to availability in size and thickness

Sondergläser = Special glass such as Satinato, Activ, Body Tinted (Grey, Bronze, Blue,

Toughened Glass

		Maximales Seitenverhältnis
ESG 4 mm	1500 mm * 2500 mm	1:10
ESG 4 mm Sondergläser *	1200 mm * 2200 mm	1: 6
ESG 5 mm	2100 mm * 3500 mm	1:10
ESG 5 mm Sondergläser *	2000 mm * 3000 mm	1: 6
ESG 6 mm	2700 mm * 5000 mm	1:10
ESG 6 mm Sondergläser *	2400 mm * 4000 mm	1:10
ESG 8 mm	2900 mm * 5500 mm	1:10
ESG 8 mm Sondergläser *	2600 mm * 5100 mm	1:10
ESG 10 mm	3210 mm * 9000 mm	1:10
ESG 10 mm Sondergläser *	3000 mm * 5400 mm	1:10
ESG 12 mm	3210 mm * 9000 mm	1:10
ESG 12 mm Sondergläser *	3000 mm * 6000 mm	1:10
ESG 15 mm	3210 mm * 7000 mm	1:10
ESG 19 mm	3210 mm * 7000 mm	1:10

Heat strengthened Glass

		Maximales Seitenverhältnis
TVG 4 mm	1500 mm * 2500 mm	1:10
TVG 4 mm Sondergläser *	1200 mm * 2200 mm	1: 6
TVG 5 mm	2100 mm * 3500 mm	1:10
TVG 5 mm Sondergläser *	2000 mm * 3000 mm	1: 6
TVG 6 mm	2700 mm * 5000 mm	1:10
TVG 6 mm Sondergläser *	2400 mm * 4000 mm	1:10
TVG 8 mm	2900 mm * 5500 mm	1:10
TVG 8 mm Sondergläser *	2600 mm * 5100 mm	1:10
TVG 10 mm	3210 mm * 9000 mm	1:10
TVG 10 mm Sondergläser *	3000 mm * 5400 mm	1:10
TVG 12 mm	3210 mm * 9000 mm	1:10
TVG 12 mm Sondergläser *	3000 mm * 6000 mm	1:10

Laminated Toughened Glass

		Maximales Seitenverhältnis
VSG 8 mm, 2 * ESG 4 mm, 0,76 PVB-Folie	1500 mm * 2500 mm	1:10
VSG 8 mm, 2 * ESG 4 mm, 0,76 PVB-Folie – Sondergläser *	1200 mm * 2200 mm	1: 6
VSG 10 mm, 2 * ESG 5 mm, 0,76 PVB-Folie	2100 mm * 3500 mm	1:10
VSG 10 mm, 2 * ESG 5 mm, 0,76 PVB-Folie – Sondergläser *	2000 mm * 3000 mm	1: 6
VSG 12 mm, 2 * ESG 6 mm, 0,76 PVB-Folie	2700 mm * 5000 mm	1:10
VSG 12 mm, 2 * ESG 6 mm, 0,76 PVB-Folie – Sondergläser *	2400 mm * 4000 mm	1:10
VSG 16 mm, 2 * ESG 8 mm, 0,76 PVB-Folie	2900 mm * 5500 mm	1:10
VSG 16 mm, 2 * ESG 8 mm, 0,76 PVB-Folie – Sondergläser *	2600 mm * 5100 mm	1:10
VSG 20 mm, 2 * ESG 10 mm, 1,52 PVB-Folie	3210 mm * 9000 mm	1:10
VSG 20 mm, 2 * ESG 10 mm, 1,52 PVB-Folie – Sondergläser *	3000 mm * 5400 mm	1:10
VSG 24 mm, 2 * ESG 12 mm, 1,52 PVB-Folie	3210 mm * 9000 mm	1:10
VSG 24 mm, 2 * ESG 12 mm, 1,52 PVB-Folie – Sondergläser *	3000 mm * 6000 mm	1:10
VSG 30 mm, 2 * ESG 15 mm, 1,52 PVB-Folie	3210 mm * 7000 mm	1:10
VSG 38 mm, 2 * ESG 19 mm, 1,52 PVB-Folie	3210 mm * 7000 mm	1:10

Laminated Heat Strengthened Glass

		Maximales Seitenverhältnis
VSG 8 mm, 2 * TVG 4 mm, 0,76 PVB-Folie	1500 mm * 2500 mm	1:10
VSG 8 mm, 2 * TVG 4 mm, 0,76 PVB-Folie – Sondergläser *	1200 mm * 2200 mm	1: 6
VSG 10 mm, 2 * TVG 5 mm, 0,76 PVB-Folie	2100 mm * 3500 mm	1:10
VSG 10 mm, 2 * TVG 5 mm, 0,76 PVB-Folie – Sondergläser *	2000 mm * 3000 mm	1: 6
VSG 12 mm, 2 * TVG 6 mm, 0,76 PVB-Folie	2700 mm * 5000 mm	1:10
VSG 12 mm, 2 * TVG 6 mm, 0,76 PVB-Folie – Sondergläser *	2400 mm * 4000 mm	1:10
VSG 16 mm, 2 * TVG 8 mm, 0,76 PVB-Folie	2900 mm * 5500 mm	1:10
VSG 16 mm, 2 * TVG 8 mm, 0,76 PVB-Folie – Sondergläser *	2600 mm * 5100 mm	1:10
VSG 20 mm, 2 * TVG 10 mm, 1,52 PVB-Folie	3210 mm * 9000 mm	1:10
VSG 20 mm, 2 * TVG 10 mm, 1,52 PVB-Folie – Sondergläser *	3000 mm * 5400 mm	1:10
VSG 24 mm, 2 * TVG 12 mm, 1,52 PVB-Folie	3210 mm * 9000 mm	1:10
VSG 24 mm, 2 * TVG 12 mm, 1,52 PVB-Folie – Sondergläser *	3000 mm * 6000 mm	1:10