

production capabilities

| processing | max. length | max. width | thickness | quality | shape | max. groove width | standard |
|-------------------|--------------------|-------------------|---|--|--------------|-------------------|----------|
| cutting | 20,000 mm / 787 in | 3,600 mm / 142 in | 4–19 mm / $\frac{5}{32}$ – $\frac{3}{4}$ in | | | | |
| edging | 20,000 mm / 787 in | 3,600 mm / 142 in | 6–19 mm / $\frac{1}{4}$ – $\frac{3}{4}$ in | matt grinded, polished grinded, mirror polished | | | DIN 1249 |
| surface treatment | 20,000 mm / 787 in | 3,600 mm / 142 in | | matt grinded, polished grinded, mirror polished | C cut, V cut | 50 mm / 5,9 in | |

| coating | max. length | max. width | thickness | standard |
|---------|--------------------|-------------------|---|---------------|
| | 19,450 mm / 766 in | 3,210 mm / 128 in | 4–19 mm / $\frac{5}{32}$ – $\frac{3}{4}$ in | DIN EN 1096-4 |

| ceramic-ink printing | max. length | max. width | thickness | tolerances frameless printing | tolerances multiple printing | printing resolution |
|------------------------|--|-------------------|---|--|------------------------------|---------------------|
| screen printing | 2,400 mm / 94 in | 1,350 mm / 53 in | 4–10 mm / $\frac{5}{32}$ – $\frac{25}{64}$ in | | | |
| roller-coater printing | 20,000 mm / 787 in | 3,300 mm / 130 in | 6–19 mm / $\frac{1}{4}$ – $\frac{3}{4}$ in | | | |
| digital printing | 18,000 mm / 709 in | 3,300 mm / 130 in | 6–19 mm / $\frac{1}{4}$ – $\frac{3}{4}$ in | 0–4,000 mm: 1 mm, 4,000–9,000 mm: 2 mm, 9,000–18,000 mm: 3 mm / 0–157 in: $\frac{1}{25}$ in, 157–354 in: $\frac{1}{16}$ in, 354–709 in: $\frac{3}{32}$ in | ± 0,2 mm / ± 0,001 in | max. 1.410 dpi |
| type of color | ceramic ink, heavy metal-free, precious-metal ceramic colors (yellow gold, white gold) | | | | | |

| bending | length | width | thickness | bending shape | Rmin.* | max. bending angle |
|---|--------------------|--|--|---|---|--|
| gravity curved glass | 11,500 mm / 453 in | 3,300 mm / 130 in | 2–19 mm / $\frac{5}{64}$ – $\frac{3}{4}$ in | cylindrical, conical, spherical, toroidal, J-shape, double-curvature, free-form | | |
| tempered curved glass | 2,440 mm / 96 in | 1,570 mm / 62 in | 4–8 mm / $\frac{5}{32}$ – $\frac{5}{16}$ in | cylindrical | 1,000 mm / 39 in | 90° |
| | 4,200 mm / 165 in | 2,440 mm / 96 in | 6–12 mm / $\frac{1}{4}$ – $\frac{1}{2}$ in | cylindrical | 1,500 mm / 59 in | 90° |
| | 2,440 mm / 96 in | 4,500 mm / 177 in | 6–15 mm / $\frac{1}{4}$ – $\frac{19}{32}$ in | cylindrical | 2,500 mm / 98 in | 90° |
| | 3,000 mm / 118 in | 1,500 mm / 59 in | 5–10 mm / $\frac{13}{64}$ – $\frac{25}{32}$ in | cylindrical | 650 mm / 26 in | 105° |
| | 2,500 mm / 98 in | 1,500 mm / 59 in | 5–8 mm / $\frac{13}{64}$ – $\frac{5}{16}$ in | J-shape | 350 mm / 14 in | 90° |
| | 5,000 mm / 197 in | 3,200 mm / 126 in | 6–12 mm / $\frac{1}{4}$ – $\frac{1}{2}$ in | cylindrical, J-shape | 1,500 mm / 59 in | 90° |
| | 3,300 mm / 130 in | 3,600 mm / 142 in | 6–15 mm / $\frac{1}{4}$ – $\frac{19}{32}$ in | cylindrical | 1,500 mm / 59 in | 90° |
| | 3,300 mm / 130 in | 2,500 mm / 98 in | 6–12 mm / $\frac{1}{4}$ – $\frac{1}{2}$ in | cylindrical | 900 mm / 35 in | 90° |
| | 6,500 mm / 256 in | 3,600 mm / 142 in | 6–19 mm / $\frac{1}{4}$ – $\frac{3}{4}$ in | cylindrical | 2,000 mm / 78 in | 90° |
| | 6,500 mm / 256 in | 3,600 mm / 142 in | 6–19 mm / $\frac{1}{4}$ – $\frac{3}{4}$ in | double-curvature | y=4,250 mm / 167 in x=7,000 mm / 276 in | |
| 18,000 mm / 709 in | 3,600 mm / 142 in | 6–15 mm / $\frac{1}{4}$ – $\frac{19}{32}$ in | cylindrical | 1,000 mm / 39 in | 90° | |
| cold bending during lamination (min. bending radius 1,500xthickness) | 20,000 mm / 787 in | 3,600 mm / 142 in | 6 mm, 8 mm, 10 mm / $\frac{1}{4}$ in, $\frac{5}{16}$ in, $\frac{3}{8}$ in | | 9,000 mm, 12,000 mm, 15,000 mm / 354 in, 472 in, 591 in | National Technical Approval: Z-70.3-175 |

*Data depending on glass width, glass length and glass thickness as well as coatings.

production capabilities

| tempering | max. length | max. width | thickness | min. surface tension | max. depth | standard |
|----------------------------|--------------------|-------------------|-----------------------|----------------------|------------------|--------------|
| heat-strengthened glass | 20,000 mm / 787 in | 3,600 mm / 142 in | 6–12 mm / ¼ – ½ in | 70 MPa | | DIN EN 1863 |
| fully tempered glass | 20,000 mm / 787 in | 3,600 mm / 142 in | 6–19 mm / ¼ – ¾ in | 120 MPa | | DIN EN 12150 |
| heat soak test | 20,000 mm / 787 in | 3,600 mm / 142 in | 6–19 mm / ¼ – ¾ in | | | DIN EN 14179 |
| chemically toughened glass | 4,900 mm / 193 in | 2,400 mm / 94 in | 2–19 mm / 5/64 – ¾ in | | 1,120 mm / 44 in | |

| laminating | max. length | max. width | lamination interlayer | special laminations | intermediate materials | standard |
|---------------------|---|-------------------|---|--|---|------------------------------|
| | 20,000 mm / 787 in | 3,600 mm / 142 in | SentryGlas®, PVB, TPU, EVA, special interlayers | metal, stone, timber, projection foils, function elements, such as fasteners | Sefar fabrics, Southwall interlayer, XIR interlayer | DIN EN 14449, DIN EN 12543-2 |
| sedak GlasCobond® | National Technical Approval: Z-70.3-259 | | | | | DIN EN 14449, DIN EN 12543-2 |
| sedak MarineCobond® | | | | | | DIN EN 14449, DIN EN 12543-2 |

| insulating glass | max. length | max. width | standard |
|------------------|---|-------------------|---------------|
| flat / cold bent | 20,000 mm / 787 in | 3,600 mm / 142 in | DIN EN 1279-5 |
| hot bent | 18,000 mm / 709 in | 3,600 mm / 142 in | |
| finishing | made of laminated safety glass, solar control coating, low-e coating, combination coatings, sound insulation interlayer, colored interlayer, colored glass, roller-coater printing, digital printing and decorative coating | | |

Further dimensions, finishing stages, designs and special shapes are available on specific request.

Please contact our sales team for your inquiry.

sedak GmbH & Co. KG

Einsteinring 1
86368 Gersthofen
Germany

Phone +49 821 2494-222

Fax +49 821 2494-777

info@sedak.com

www.sedak.com