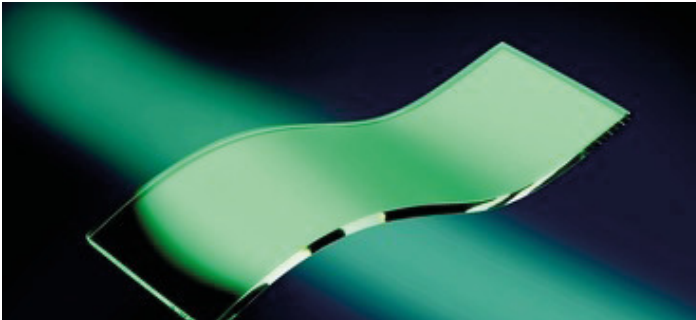


## Enhanced Strength: Chemical Tempering



EuropTec use chemical tempering for glasses to increase the strength. A special salt bath creates an ion exchange with high compressive stress on the glass surface. This increases the breaking strength and scratch resistance. Using a special aluminum silicate glass like Gorilla® by Corning®, Schott Xensation or Dragontrail™ by AGC, extremely high breaking strength and scratch resistance can be realized.

### Technical Data

Glass thickness: 0,2-3 mm, other thicknesses on request  
 Max. dimensions: 1.400 x 617 mm  
 Glass types: glass with large percentage of sodium like float glass, aluminum silicate glass, bent glass and many others

	chemical tempered glass	untreated glass
impact strength with metal ball	4 - 10 Joule	1 - 2 Joule
bending strength	150 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>
thermal shock resistance (with glass thickness 1 - 3 mm)	ca. 200 K	ca. 40 K
operating temperature	up to 300° C, lost of pre-tension	max. 450° C
*Tempering according to DIN EN 12337; edge working before chemical tempering		

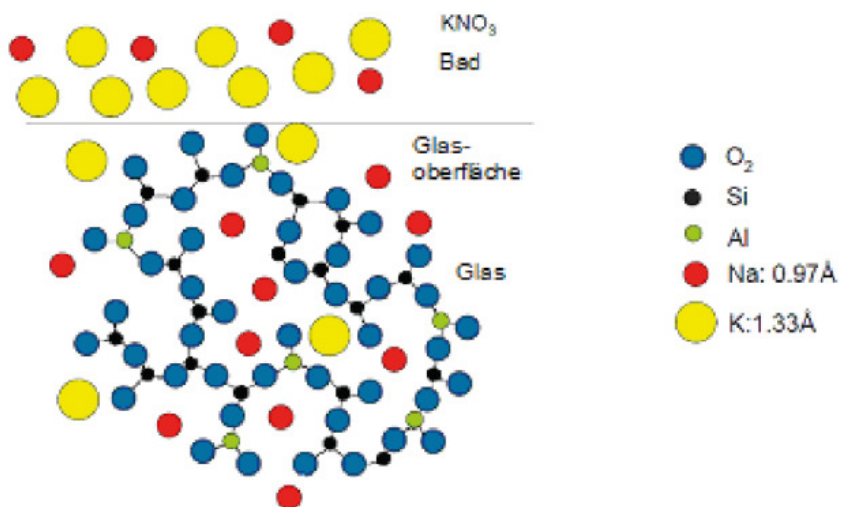
## Advantages

- increased impact strength
- increased bending strength
- increased thermal shock resistance
- increased scratch resistance
- low glass thicknesses and small-sized glasses can be processed
- printing is possible after chemical tempering
- no optical distortion

## Typical Applications

- automotive industry
- cover glasses for displays and touches
- information screens
- copy machines

## Ion Exchange



Do you have any question or do you need an advice concerning the varied possible applications of technical glass?  
Do not hesitate to contact us!



EuropTec GmbH  
 Display Glass Europe  
 Alte Heerstrasse 13, D-38644 Goslar  
 info-goslar@europtec.com  
 www.europtec.com/display-glass-europe