



Up to 5 times more resistant*, Tempered glass is **economical**, resulting in fewer breakages (**10–50 times longer lifespan***), and **safe**, breaking into blunt fragments, to give catering professionals greater peace of mind.

To increase the lifespan of Arcoroc products by 10 to 50 times, thereby reducing the problem of frequent breakages, in 1958 Arc International's research centre developed a technical treatment known as "tempering". Tempered items boast excellent shock- and heat-resistance coupled with exceptional heat-retention levels. Arcoroc products are fully tempered.

"Tempered" products offer unrivalled benefits that please catering professionals :

Fewer breakages : a tempered glass offers up to 5 times more resistance than an untreated item.

Style, elegance and robustness : tempered items have an increased resistance but thickness of the glass is not increased – the finished item remains elegant and stylish.

Safety first : when a shock or a series of shocks causes the exterior of a tempered glass to shatter, the glass breaks into blunt fragments.

* : A tempered glass can be up to 5 times more resistant than an item that has not undergone any specific treatment process

Why choose a toughened product rather than an annealed one ?

Tempering also known as toughening is a manufacturing process, which increases product life. In effect, a toughened item lasts 10 to 50 times longer than an annealed one.

What change in temperature can toughened items withstand ?

A toughened item can withstand sudden changes in temperature of more than 135 °C whereas an annealed item can only tolerate a change in temperature of 70 to 80 °C. For example, it is possible to remove a beer mug out of the dishwasher to cool it down straight away into cold water for immediate use, without risk of breakage.