

# J. B. TREASURE & Co. Ltd.

## HIGH TEMPERATURE GLASS

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J.B.Treasure & Co. Ltd. offer a range of glasses which are resistant to extreme thermal shock and are capable of withstanding temperatures in excess of 1000° C

Vycor<sup>R</sup> brand glass is a Corning product which can be used in high temperature applications beyond the capabilities of virtually all commercially produced glasses. Its composition of 96% silica is comparable in performance and properties to fused silica or quartz.

Sight glasses manufactured in Vycor<sup>R</sup> can be used at high temperatures and have high thermal shock resistance due to their extremely low coefficient of thermal expansion.

Vycor<sup>R</sup> is generally three times more resistant to abrasion than higher expansion optical glasses

As Vycor<sup>R</sup> is produced in a cast form any thickness between 2mm and 12mm can be produced using our specialised processing equipment.

### VYCOR<sup>R</sup> SPECIFICATIONS :

THICKNESS	From 2mm to 12mm
SURFACE FINISH	Polished Clear / as cast
SHEET SIZE	300mm (12") x 300mm (12")
MAXIMUM TEMPERATURE	990° C Continuous 1300° C Short Term Properly Supported
THERMAL SHOCK	1250° C
THERMAL COEFFICIENT	$7.5 \times 10^{-7} / ^\circ \text{C}$
CORNING CODE	7913

Glass components for high temperature uses can also be supplied in Quartz, and Spectrasil materials.

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