



Ceramic Glass Ltd

Unit 10 Falcon Business Park, Loughborough, Leicestershire LE11 1HL

+44 (0)1509 273970 | [sales@ceramicglass.co.uk](mailto:sales@ceramicglass.co.uk)

[www.ceramicglass.co.uk](http://www.ceramicglass.co.uk)

# FireLite

## THE IDEAL INTEGRITY FIRE-RESISTANT GLAZING

### Stability, Endurance & Reliability in fire

**FireLite is a uniquely developed ceramic glass formulation, specifically for resistance against fire.**

It has been tested at the highest extremes of fire test conditions – remaining unchanged after more than 4 hours exposure reaching temperatures above 1150°C, and with a remarkable ability at only 5mm thick to resist the impact, erosion and cooling effects of a full firefighter hose stream applied on the hot exposed surface. In that test the hose stream was applied over the whole test panel area for several seconds, at a water pressure of 30 psi for around 15 to 25 seconds exposure per square metre.

The secret of FireLite's exceptional ability to resist thermal stress and high temperatures is its low, close to zero and slightly negative, thermal expansion characteristic. Combined with a high melting point, that means FireLite stays in the frame, in one piece. It does not crack and fall apart, nor soften and slump as conventional glass is likely to do in high fire temperature conditions.

FireLite is an easy glass to handle, cut and glaze, readily available at short notice from Ceramic Glass Limited, with many years of supply experience in the UK. FireLite used in fire-resistant systems does not need special glazing techniques, and is not subject to limits on edge cover when framed. Because of its stability, it is the ideal combination with metal frames and doors for extended fire resistance endurance.

FireLite is accordingly well suited for essential fire safety compartmentation glazing design, to physically contain the risks of both fire and smoke spread.

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