

KERALITE® R

Fire resistant safety glass for interior and exterior application

CLASSIFICATION

E = Integrity

Ability to withstand fire exposure without transmission of fire to the non-fire side as a result of the passage of flames or hot gases, thereby causing ignition of the non-fire exposed surface or materials adjacent.

PRODUCT FEATURES

Fire resistant glass ceramic



TECHNICAL SPECIFICATIONS

Fire resistance (EN 1363-1)

Reaction to fire (EN 13501-1)

Testing Standard

Maximum Glass Size

Thickness tolerance

Length tolerance

Hazardous material contained

up to E 240

A1

Tested in accordance with BS EN 1634-1: 2000, UL 9, UL10B, UL10C, NFPA 252, NFPA 257

- UL/NFPA up to 180 minutes
- BS EN up to 240 minutes

Variable, subject to glass make-up, framing material or glazed element type.

Consult with your Vetrotech representative.

±0.2 mm

±2 mm

None

Nominal thickness

Glass size per thickness

Fire protection

Weight

Sound reduction R_w (EN 140-3)

Light transmission (EN 410)

Light reflection ρ_L (exterior/interior)

U value, W/m^2K (EN 673)

g value

Energy transmission τE

Energy reflection ρE (exterior/interior)

5 mm

≤ 1150 mm x 2000 mm

both sides

13 kg/m²

32 dB*

89%

8%/8%

5,8

0,86

84%

8%/8%

* Reference Value