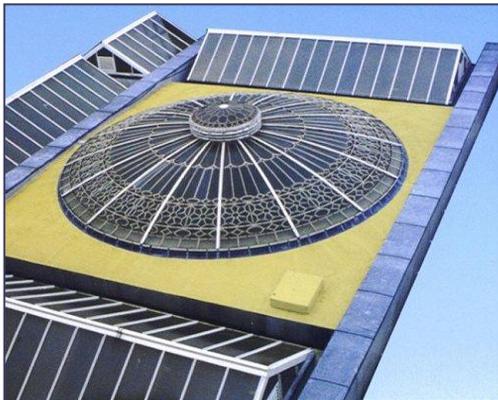
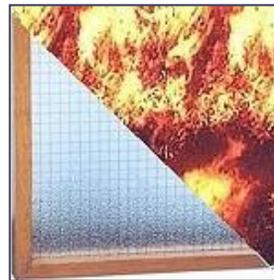


# GRP Translucent Glazing

Our glazing products are among the toughest glazing panels available. They are manufactured using high quality resins and fibreglass making the panels virtually indestructible, with a high resistance to impact, shock and manual attack.

## Features:

- Vandal Resistant
- Graffiti Resistant
- Shatter Proof
- Translucent
- UV Protection
- Various Finishes
- High Flexural/Tensile Strength
- Fire Resistant (Optional)
- Manufactured to any size.



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Tel: 01695 280510

# GRP Anti-Vandal Glazing - Technical Data

## FIRE RESISTANCE

Products can be manufactured to either:

1. General purpose (GP) grade,
2. BS 476 Part 7 Class 1,
3. BS 476 Part 6 Class 'O',
4. BS 476 Part 7 Class 2,
5. BS 476 Part 22 1/2 hour fire rating

## THERMAL CO-EFFICIENT OF EXPANSION

$30 \times 10^{-6} / \text{Deg C}$

FACT: Compared with many other plastics GRP has minimal expansion and contraction characteristics and will not bow and warp in extremes of temperature.

## IMPACT RESISTANCE

To BS 5544 (cert no: 395-1) and regulation 14 compliant.

FACT: Steel Ball drop test conclude no penetration or breakage of GRP glazing.

## UV / LIGHT TRANSMISSION

Up to 83% depending on thickness and surface texture.

FACT: The inclusion of our unique surface protection membrane can significantly enhance the quality, appearance and lifespan by providing a high level of UV resistance, thus ensuring continued light transmission.

## GRAFFITI RESISTANCE

A factory applied coating operation permits simple removal of graffiti with no detrimental surface effects to the panel.

## SHEET DIMENSIONS

Standard stock sheet size is 8 x 4 (2440 x 1220), but as all panels are manufactured to customer requirements, virtually any length can be accommodated, with a width restriction of 1525mm.

8 x 4 (2440 x 1220), 10 x 4 (3050 x 1220) 10 x 5 (3050 x 1525) all nominal sizes, or any derivative within these sizes.

## FLEXURAL STRENGTH

170 MPa FACT: Will not bow and flex as much as other glazing plastics.

## SHEET THICKNESS

Standard product range can be manufactured to literally any thickness with 2.5mm,3mm, 4mm, 6mm, 8mm & 10mm being standard.

## TENSILE STRENGTH

100MPa

FACT: Seven times stronger than mild steel on a weight for weight basis.

## TENSILE MODULUS

8 GPa

## THERMAL CONDUCTIVITY

0.2 w/mK FACT: Significantly lower than glass.

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