



GlassKote Blast Mitigation Products

I. GlassKote BRL1 Bomb Resistant Glass

Changing conditions in safety has increased demand for a range of Bomb (Blast) Resistant products to insure the safety of people working in buildings. Bomb (Blast) Resistant laminated Safety Glass is achieved by lamination of 2 pieces of Glass with an interlayer. This interlayer can be either PVB or Ionoplast.

Basic makeup of the glass is 6mm Heat Strengthened + 1.52 PVB + 6mm Heat Strengthened for a total thickness of 13.52mm. This provides a GSA performance condition of 2 with no Hazard Rating

II. GlassKote BRL2 Bomb Resistant Glass

The most common thicknesses are 17.2mm, With a makeup of 8mm Heat Strengthened Glass+ 2.28mm Ionoplast + 8mm Heat Strengthened Glass The thicker Ionoplast layer provides additional energy transfer to the frame structure. This provides a GSA Performance condition of 1 with a Minimal Hazard Rating.

III. GlassKote BRL3

GlassKote BRL3 panels are designed for use in large panel applications such as facades and are custom designed to meet the needs of the customer. The interlayers are most often Ionoplast but PVB can be used. Panel thickness can vary from 21.52mm to 31.52mm.

A typical makeup would be 10mm Heat Strengthened + 2.28 Ionoplast + 10mm Heat Strengthened. This would provide a GSA Performance Level of 1 with Hazard rating of No Break.

All GlassKote BRL glass can be fitted with anti spall film.

IV. GlassKote BRIGU DOOR

GlassKote BRIGU panels are Double Glazed Units designed for use in door panel applications such as building entries and are custom designed to meet the needs of the customer. Typical door aperture is 1120mm x 2400mm.

Typical makeup of these units is 6mm Toughened on the outside and 9.5mm Laminated panel on the inside. These panels will withstand 100kg TNT at 24.1M, with blast loads of 102kPa Reflected Pressure and 414kPa Reflected impulse.

Inside and out side panels thickness can be increased to provide higher levels of blast mitigation.

V. GlassKote BRIGU FAÇADE/CURTAIN WALL

GlassKote BRIGU Curtain Wall panels are Double Glazed Units designed for use in Facade applications. Panel's sizes of 3585mm x 1800 can be accommodated for.

Typical makeup of these units is 6mm Toughened panel on the outside and 11.5 mm laminated panel on the inside. These panels will withstand 100kg TNT at 23.5 M, with blast loads of 101kPa Reflected Pressure and 412kPa Reflected impulse.

Inside and out side panels thickness can be increased to provide higher levels of blast mitigation.