SPECIFICATIONS & TECHNICAL

Sheet Specifications

Klass is available in the following thicknesses
3mm (1/8”) 4.5mm (3/16”) 6mm (1/4”) 10mm (3/8”)

The standard sheet size is nominal 2400 x 1200. (3, 4.5, 6mm Sheets)
2300 X 1200 (10mm Sheets)

Weights

The approximate specific gravity is 1.19, so when compared with organic glass it’s around half its weight!
The nominal weight of Klass per m2 is:
3.0mm (1/8”): 3.6kg or approx 10.33kg/p/2400x1200 sheet
4.5mm (3/16”): 5.43 kg or approx 15.46kg/p/2400x1200 sheet
6.0mm (1/4”): 7.24 kg or approx 21.05kg/p/2400x1200 sheet
10.0mm (3/8”): 10.4 kg or approx 25.35kg/p/2300x1100 sheet

Light Transmission is 92.5%Building

Building Code Information

(based on 3mm Acrylic Sheet Standard Grades)

Ignitability Index (0-20):	16
Spread of Flame Index (0-10):	7
Heat Evolved Index (0-10):	9
Smoke Developed Index (0-10):	5

Heat Forming
The thermal conductivity of Klass is as low as phenolic and it is around one sixth of the conductivity of glass.

Chemical Resistance
It is insolvent to organic chemicals and normal chained hydrocarbon however contact with some inorganic solvents can cause swelling, hazing and cracking. It is unlikely most applications would be in contact with these harsh chemicals. Please consult with us about your application prior to use.

Hardness
The surface hardness is about the same as aluminium; it is softer than glass but harder than some plastic sheets.

Impact Resistance
Klass has a greater impact resistance that glass. It can be broken when it suffers severe impact. In the event if breakage it is considerably safer that glass as it does not shatter into smaller pieces like glass.

For any additional information & helpful tips see FAQ page