



BOROPANE



E Integrity

120 Minutes



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Asahi India Glass Ltd.

April 2023



The name behind the glass that builds India.

Asahi India Glass Ltd. (AIS) is the leading provider of integrated glass and window solutions in India and a market leader in the building & construction and automotive industries. Our product solutions, which cover the entire spectrum of consumer glass, building & construction, and automotive, are created to provide both aesthetic and functional advantages.

The necessity for fire safety.

One of the largest hazards to our safety is fire, and it's crucial to take precautions to contain it, warn occupants, and prepare for emergency situations.

As per IS 3614-2021: Fire Doors and Doorsets Specification

Door	Max. Allowed Vision Panel (Glass) Area		Max. Width mm	Max. Height mm
Uninsulated Door	0.12 Sq.m	15% of Door Leaf Size	400 (height 300)	800 (width 150)
Insulated Door	0.06 Sq.m	---	200 (height 300)	400 (width 150)

AIS BOROPANE

AIS Boropane is a monolithic, fire-rated safety glass, which remains transparent during the event of fire. Boron Trioxide is a 15% component in the glass that helps to provide these superior features.

Features & Benefits

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Low Co-efficient of Thermal Expansion
Reduced heat stress ensures glass integrity for a longer duration
- 

High Mechanical Strength
Extremely durable & shatterproof, reduces risk of breaking during handling, transportation & installation
- 

Reliability
Integrity of 120 minutes, complete fire safety
- 

Resistance to Breakage
Absence of Ni – Sulphide particles avoids spontaneous breakage
- 

Extra Safe
Restricts the passage of flames, smoke and toxic gases
- 

High Resistance to Chemicals
Anti-corrosive and weather proof
- 

Aesthetic
Clearer glass than extra-clear lime-float soda glass
- 

Eco-Friendly
Environment friendly with low carbon footprint
- 

Durable
3 times stronger than normal annealed glass due to low alkaline content
- 

Warranty
5 year standard warranty

Technical Specification

Particulars	AIS Boropane 6
Technology	Borosilicate Glass
Glazing Type	Single
Application	Vision Panel
Fire Resistance	120 Min Integrity (E 120)
Normal Thickness	6mm
Thickness Tolerance	+/- 0.2mm
Weight	13.7 kg/ Sq.m
Dimensional Tolerance	+/- 1mm
Light Transmission	91.5 %
Ug Value	5.8 W/Sq.m K
Impact Safety Rating (EN 12600)	1C1
Sound Reduction	31dB
Cutable	No

The information in this brochure is based on our knowledge and experience to date. This information does not release the buyer from carrying out independent tests and trials due to the various influences when processing and applying our product. Fire-resistant glass products are only part of overall fire-resistant elements. It is the responsibility of the installer to ensure that the fire-resistant element as a whole satisfies the regulations and/or to obtain the approval of the competent authorities. AIS does not accept any liability should the fire-resistant glass be installed in systems that do not comply with regulations. A visible stamp should be placed on the glass in order to identify the product with its classification and position in the structure.