



CLIMACOOOL

DESCRIPTION

CLIMACOOOL is an insulated glass unit with two or more glass lites separated with a desiccated air space. These glasses are used for better thermal efficiency and comfort and are an indispensable choice for all building facades today. Being a Dow Quality Bond® member, you can rest assured our quality is audited and endorsed by the best in the industry. Our fully automatic and 100% vertical assembly ensures zero glass warpage during manufacturing and these units can be infilled with inert gases such as argon for even lower heat-flow rates and thermal efficiency.

PRODUCT FAMILY

1. CLIMACOOOL FIRST: Clear insulated glass unit
2. CLIMACOOOL CLARITY: Ultra clear insulated glass unit
3. CLIMACOOOL TONE: Tinted insulated glass unit
4. CLIMACOOOL SOLAR: Solar-control coated insulated glass unit (pyrolytic or MSVD coated)
5. CLIMACOOOL PRO-1: Pyrolytic low-E/single-silver low-E insulated glass unit (pyrolytic/MSVD)
6. CLIMACOOOL PRO-2: Double-Silver low-E insulated glass unit (MSVD)
7. CLIMACOOOL PRO-3: Triple-Silver low-E insulated glass unit (MSVD)
8. CLIMACOOOL PRO-4: Quad-Silver low-E insulated glass unit (MSVD)

GENERAL CHARACTERISTICS

FEATURE	DESCRIPTION
Process Type	Vertical, fully automatic assembly line
Glass Types	Clear, extra clear, ultra clear, tinted, solar-control coated, low-E coated
Additional Process Compatibility	Ceramic-frit, digitecture™ digital printing, sand-blasting, acid-etching and holes
Product Enhancement	Can be constructed with CURVESHIELD (curved glass), LAMISECURE (laminated glass), FIRE-SAFETY product range, SECURITY product range and CREATIONS product range
Unit Thickness Range	12 mm to 100 mm
Edge Types	Rough grind, arrissed, super polished
Air Fill Type	Atmospheric air or argon (Ag)
Spacer Make	Profilglass (Italy), Rolltech (Denmark), Tecnoform (Germany)
Butyl Make	Fenzi (Italy), Dow (USA)
Desiccant Make	Fenzi (Italy)
Silicone Make	Dow (USA)

UNIQUE SELLING POINTS



BRANDED COMPONENTS

All product components sourced from premium European and American suppliers



VERTICAL SEALING

Vertical robotic sealing ensures minimal glass warpage



BENT CORNERS

Uncut, bent spacer joints ensures better structural stability

DIMENSIONS

FEATURE	DESCRIPTION
Minimum Size	250 mm X 350 mm
Maximum Size	2440 mm X 5100 mm

LABELLING

Each piece of CLIMACOOOL shall be permanently labeled with the FG logo on respective glasses, process type and relevant standard description. In cases where the glass is made under a specific listing, the same shall be incorporated in the label. Order-specific labeling is also possible, under certain terms and conditions.

STANDARDS

CLIMACOOOL is manufactured as per BIS 17346; 2020, EN 1279: 2000, ASTM E2190-19 and/or AS 4666.

LISTINGS

1. Dow Quality Bond® Member
2. Insulating Glass Certification Council (IGCC) - Certificate Number 5277 AA/PIB/S2
3. StandardsMark License AS/NZS 4666:2012 - License Number SMK41108

STORAGE

CLIMACOOOL requires storage in a covered, dry area, unexposed to rain and dust. Each sheet of CLIMACOOOL should be separated with the help of non-adhesive transferring cork/rubber pads. Prolonged storage without separation or with paper separation may result in permanent and irreversible damage to the glass surface.