

PLANICLEAR

HIGH-QUALITY FLOAT GLASS



PLANICLEAR

CHOOSE AN OPTIMAL SOLUTION

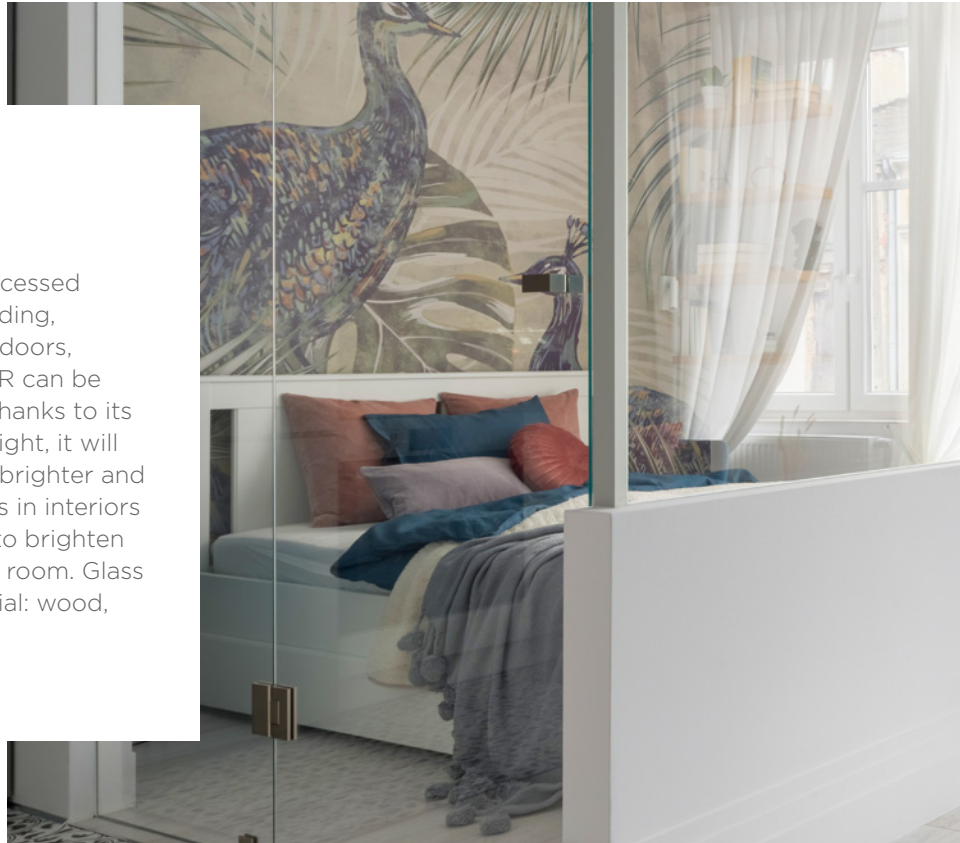


PLANICLEAR clear glass is a high-quality flat float glass of uniform thickness and a shiny, polished surface, completely free from optical distortion. PLANICLEAR is a widely used substrate in the production of other specialist types of glass: tempered, laminated, satin, sand-blasted or lacquered glass. PLANICLEAR is the best way to create bright, comfortable, and safe living and public spaces.

PLANICLEAR base glass is transparent and slightly greenish in colour, which is caused by the content of iron ions. This colour is visible on glass edges; the thicker the glass, the more the green is pronounced. PLANICLEAR can be used in numerous applications and can be subjected to many types of processing. PLANICLEAR is a key element of modern design.

INTERIORS

PLANICLEAR base glass can be processed in the production process. Wall cladding, mirrors, glass elements of furniture, doors, glazed partition walls - PLANICLEAR can be used in many unique applications. Thanks to its structure, functionality, and play of light, it will make each interior seem larger and brighter and will give it an exceptional glow. Glass in interiors is a good solution when one wants to brighten a room up or to separate a part of a room. Glass blends well with any finishing material: wood, steel, ceramics, or resin.



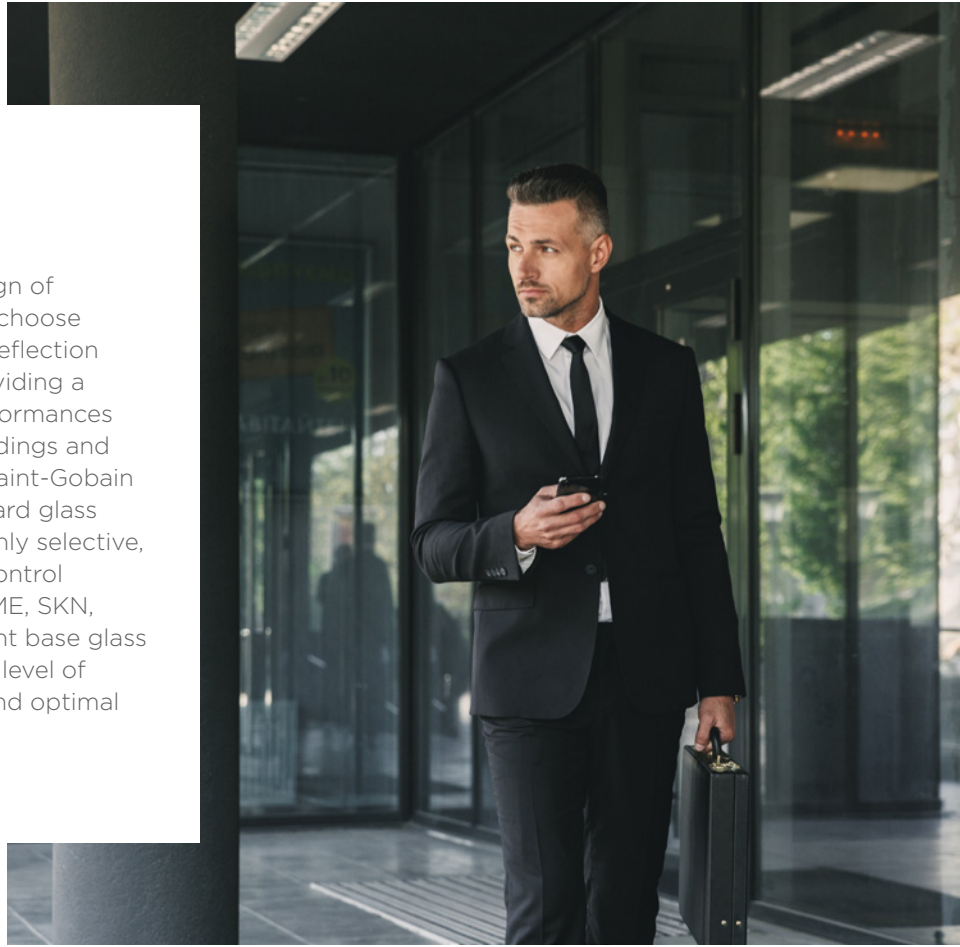
WINDOWS

Offering excellent parameters, PLANICLEAR meets the requirements of present and future construction. In combination with PLANITHERM or ECLAZ products, windows with PLANICLEAR provide optimal thermal insulation (U_g) and better solar gain (g), contributing to the reduction of heating costs. PLANICLEAR secures a high level of light transmission (L_t), which enables to create bright spaces in building interiors and thus increases the comfort of building occupiers, as well as reduces the need of artificial lighting.



FAÇADES

There is a growing trend in the design of façades of commercial buildings to choose glass which is neutral aesthetics in reflection as well as in transmission, while providing a high level of daylight and good performances to improve energy efficiency of buildings and protect comfort of building users. Saint-Gobain Glass uses PLANICLEAR as a standard glass substrates on which are applied highly selective, thermal insulation and other solar control coatings such as COOL-LITE XTREME, SKN, KNT, and ST. The use of a transparent base glass provides a number of benefits: high level of daylight, more neutral appearance, and optimal solar control prevent overheating.



ADVANTAGES

- a rich selection and a wide range of glass thicknesses,
- thanks to a high level of daylight, it brightens up building interiors with natural light,
- a perfectly flat surface of the glass pane,
- it can be tempered, laminated, enamelled, sand-blasted, bent,
- it can be acid-etched, edge-deleted, screen-printed,
- it can be used in the production of mirrors, lacquered glass
- it can be used in single glazing or in IGUs,
- it reduces solar energy transmission thanks to sputtered metal oxide layers under vacuum conditions
- used with other types of glass, it creates possibilities and optimum wide range of IGU performance.

APPLICATIONS

- windows and façades,
- partition walls, balustrades, glass floors,
- elements of furniture and doors,
- all-glass doors or glass door elements,
- mirrors and decorative glass elements,
- bathroom glazing, shower enclosures, bath screens,
- shop windows and showcases,
- lacquered glass used as wall cladding,
- fire-resistant glass.

PERFORMANCES

Thickness in mm	2	3	4	5	6	8	10	12	15	19
Light transmission LT%	91	91	91	90	90	89	89	88	87	86
Solar factor g %	90	89	88	87	87	85	84	82	80	78
External reflection Rle %	8	8	8	8	8	8	8	8	8	8
Internal reflection Rli %	8	8	8	8	8	8	8	8	8	8



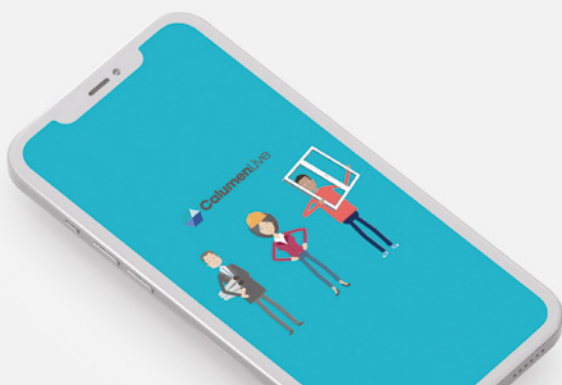
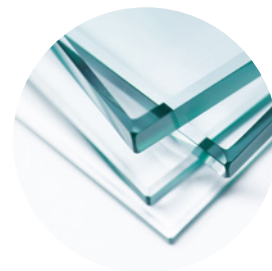
RANGE

Thickness: from 2mm to 19mm
Size: 3210mm x 6000mm

PLANICLEAR
BASE GLASS



DIAMANT
EXTRA-CLEAR GLASS



CALUMENLIVE APPLICATION

CalumenLive helps to compose glazing and reach technical performances so that it could meet each concept even the unique one. Create an account on www.calumenlive.com and benefit from the functionality of this service.



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