

PLANICLEAR

CRYSTAL CLEAR TRANSPARENCY



Museo Universitario de Arte Contemporáneo, Mexico City; Architect: Teodoro González de León, Mexico City; Photographer: ©Paul Czibrom, Mexico City

BUILDING GLASS



SAINT-GOBAIN

PLANICLEAR

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With PLANICLEAR, Saint-Gobain sets new standards for float glass. Thanks to an extremely low iron oxide content, PLANICLEAR impresses with improved appearance and aesthetics – and not only with coated glasses.

AESTHETICS

With its increased transparency compared to market-standard float glass, PLANICLEAR is the ideal solution for designing bright rooms with ample natural daylight. This applies not only to windows and facades but also to the interior, where glass is used for partitions. The high transparency of PLANICLEAR is particularly effective in applications with thick glass. The higher neutrality also ensures the vivid appearance of colours and contrasts, which is noticeable not only in insulated glass units but also when lacquering or enamelling (especially in white or pastel shades).

VISUAL COMFORT

The clear float glass PLANICLEAR offers more daylight, excellent neutrality and reduced absorption.

THERMAL INSULATION/ SOLAR PROTECTION

PLANICLEAR is the standard substrate for all Saint-Gobain coatings in the PLANITHERM and ECLAZ families and Saint-Gobain solar control coatings in the COOL-LITE XTREME, SKN, K, and ST families.

COMBINATIONS

SECURIT (toughened safety glass), STADIP (laminated glass), STADIP SILENCE (sound insulation) and STADIP PROTECT (injury and burglary protection)

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Thickness [mm]	2	3	4	5	6	8	10	12	15	19
Light transmission TL* [%]	90	91	91	90	90	89	89	88	87	86
Colour rendering Transmission* Ra	99,6	99,5	99,4	99,2	99,1	98,7	98,4	98,0	97,5	96,8
External reflection* [%]	8	8	8	8	8	8	8	8	8	8
Internal reflection* [%]	8	8	8	8	8	8	8	8	8	8
Colour rendering external reflection* Ra	99,0	98,9	98,7	98,6	98,4	98,1	97,8	97,5	97,1	96,6
Solar factor* [%]	90	89	88	87	87	85	84	82	80	78
Energy transmission TE* [%]	89	88	87	86	85	83	81	79	77	73
Energy absorption AE* [%]	3	4	5	6	7	10	12	14	16	20

*according to EN410



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Saint-Gobain Tower • 12 place de l'Iris • F-92400 Courbevoie
www.saint-gobain-building-glass.com