

SGG DIAMANT®

EXTRA CLEAR TRANSPARENCY



BUILDING GLASS EUROPE



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SGG DIAMANT® is a specially discoloured float glass: a very low iron oxide content causes the highest light transmission and the lowest natural colouring. The brilliant colour of its cut edge also distinguishes it from normal float glass and makes its use in many areas all the more effective.

AESTHETICS

Because of its perfect neutrality, SGG DIAMANT® – especially for large and multi-layer glass structures – allows the best possible transparency. Daylight enters the room almost unfiltered, which guarantees optimum natural illumination and unadulterated colour rendition – in insulating glass, but also when painting or enamelling.

VISUAL COMFORT

The extra clear float glass SGG DIAMANT® provides more daylight, best colour neutrality and reduced absorption.

COMBINATIONS

SECURIT® (ESG), STADIP® (fall protection), STADIP® SILENCE (sound insulation) and STADIP® PROTECT (injury and burglary protection)

Status 12/2017, subject to change

THERMAL INSULATION/ SUN PROTECTION

SGG DIAMANT® can be used with the SAINT-GOBAIN thermal protection layers SGG PLANITHERM® family or the SAINT-GOBAIN Sun protection layers SGG COOL-LITE® XTREME, SKN and ST families coated.

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Thickness [mm]	3	4	5	6	8	10	12	15	19
Light transmission TL* [%]	91	91	91	91	91	90	90	90	89
Colour rendering Transmission* Ra	99,7	99,6	99,6	99,5	99,3	99,2	99,0	98,7	98,3
External reflection* [%]	8	8	8	8	8	8	8	8	8
Reflection inside* [%]	8	8	8	8	8	8	8	8	8
Colour rendering external Reflection* Ra	99,0	99,0	98,9	98,8	98,6	98,5	98,3	98,1	97,7
g-value* [%]	91	90	90	90	89	88	88	87	86
Energy transmission TE* [%]	90	90	89	89	88	87	86	85	83
Energy absorption AE* [%]	2	2	3	3	4	5	6	7	9

*according to EN410



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