

# DIAMANT

EXTRA CLEAR TRANSPARENCY



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BUILDING GLASS



# DIAMANT

## EXTRA CLEAR TRANSPARENCY

DIAMANT is an extra clear float glass: a very low iron oxide content causes the highest light transmission and the lowest colouring. The extremely neutral colour of its cut edge distinguishes it from normal float glass and makes an effective choice for a range of applications.

### AESTHETICS

Because of its perfect neutrality 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 in insulating glass, but also when painted or enamelled.

### VISUAL COMFORT

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

### COMBINATIONS

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

### THERMAL INSULATION/ SOLAR PROTECTION

DIAMANT can be used with Saint-Gobain thermal protection coatings from the PLANITHERM and ECLAZ families or the Saint-Gobain solar control coatings COOL-LITE XTREME, SKN, K and ST families.

#### DIAMANT

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
Internal reflection* [%]	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
Solar factor* [%]	91	90	90	90	89	88	88	87	86
Energytransmission TE* [%]	90	90	89	89	88	87	86	85	83
Energyabsorption AE* [%]	2	2	3	3	4	5	6	7	9

\*according to EN410



SAINT-GOBAIN BUILDING GLASS

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