

PLANITHERM series

LOW-E GLASS



GLASS EXPROVER


SAINT-GOBAIN

PLANITHERM series

Energy efficient glass for comfortable places

BETTER PLACE FOR PEOPLE

As the principal component in a window, glass is a key lever for comfort and beauty. Our glass solutions for windows ensure the highest performance in terms of energy efficiency and day-light.



A KEY CONTRIBUTION IN SUSTAINABILITY



TEMPERATURE CONTROL LOW-E



DAYLIGHT COMFORT
from 60% to 80% transparency



ENERGY SAVINGS



NEUTRAL AESTHETICS IN TRANSMISSION AND REFLECTION

PROCESSING

- Available in two versions: annealed or to be tempered¹
- To be assembled in insulating glazing unit
- Edge deletion required²
- Enameling not compatible

PERFORMANCES

Standard thicknesses : 4-6 mm (other on request) - Dimensions : Jumbos, split sizes

Average performance values of DGU (6+12+6 mm) with coating on surface #3³, according to the standards ISO 9050 m1 /EN 673 and to the standards NFRC 100

Product	Norm	Light Transmittance LT (%)	Solar Factor g/SHGC	Shading Coefficient SC	External Light Reflectance LRe (%)	Internal Light Reflectance LRI (%)	U-Value W/(m ² .K)		Other colors ⁴
							12mm air	16mm argon	
PLANITHERM XN II	ISO	81	0.60	0.69	11	12	1.6	1.1	PLANITHERM XN II DIAMANT
	NFRC	81	0.61	0.70	11	12	1.7	1.4	
PLANITHERM 1.16 II	ISO	78	0.60	0.69	12	12	1.7	1.2	
	NFRC	78	0.61	0.70	12	12	1.7	1.5	
PLANITHERM 1.3T	ISO	75	0.62	0.71	12	12	1.8	1.3	PLANITHERM 1.3T on green ⁵ PLANITHERM 1.3T on blue ⁵ PLANITHERM 1.3T on bronze ⁵
	NFRC	75	0.62	0.71	12	12	1.8	1.6	
PLANITHERM LUX II	ISO	79	0.67	0.77	12	13	1.7	1.3	
	NFRC	79	0.68	0.78	12	13	1.7	1.5	
PLANITHERM ONE II	ISO	70	0.48	0.55	22	22	1.5	1.0	PLANITHERM ONE II DIAMANT
	NFRC	70	0.48	0.55	22	22	1.6	1.4	
PLANITHERM HN annealed	ISO	68	0.62	0.71	12	13	1.8	1.4	
	NFRC	68	0.62	0.71	12	13	1.9	1.7	
PLANITHERM HN tempered	ISO	73	0.62	0.71	12	11	1.8	1.4	
	NFRC	73	0.62	0.71	12	11	1.8	1.6	
PLANITHERM 4S EVO ^{5,6}	ISO	60	0.37	0.42	22	26	1.5	1.0	
	NFRC	60	0.37	0.42	22	26	1.6	1.4	
PLANISTAR SUN ^{5,6}	ISO	71	0.36	0.41	14	15	1.5	1.0	
	NFRC	71	0.35	0.40	14	15	1.6	1.4	

■ Extra clear ■ Green ■ Blue ■ Bronze

¹ Except for PLANITHERM HN, which consists in one version for two applications: annealed or tempered - ² Except for PLANITHERM HN edge-deletion is not required ³ DGU values calculated with PLANILUX as inner pane except for coatings produced only in Europe for which PLANICLEAR is used - ⁴ Performances might change, please refer to The Essential - ⁵ Coating on surface #2 - ⁶ Annealed only