




**RESULTATS  
RESULTATEN  
RESULTS**

Veillez trouver en annexes les résultats des calculs demandés.

- Annexe 1* : couche CARAT en 6 mm, couche en 1. }  
*Annexe 2* : couche CARAT en 6 mm, couche en 2. }  
*Annexe 3* : couche ENERGY (EXCEL) en 6 mm, couche en 1. }  
*Annexe 4* : couche ENERGY (EXCEL) en 6 mm, couche en 2. }  
*Annexe 5* : couche TOP N en 6 mm, couche en 1. }  
*Annexe 6* : couche TOP N en 6 mm, couche en 2. }  
*Annexe 7* : couche ELITE en 6 mm, couche en 1. }  
*Annexe 8* : couche ELITE en 6 mm, couche en 2. }



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*InV - Rapport de 3 pages et 8 annexes. Doit être reproduit dans son intégralité.*

**INSTITUT SCIENTIFIQUE DU VERRE asbl**

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# INSTITUT SCIENTIFIQUE DU VERRE

## RECONNAISSANCES OFFICIELLES

### ESSAIS ACCREDITES ET/OU AGREES

#### **Accrédité BELTEST-N° 013-T**

- Essais Vitrages de sécurité Automobile ( UN R.43 - EEC 92/22 - 89/173 et ANSI Z26.1 );
- Essais Vitrages de sécurité Bâtiment ( pr EN 356 et DIN 52290-3 );
- Essais Ecrans de casque - motocycles ( UN R.22- an. 10 et 11 );
- Essais Verre d'emballage - Résistance hydrolytique ( Pharmacopée européenne - ISO719 - ISO720 - ISO4802-1);
- Essais Environnement - Emissions d'effluents gazeux.
  - \* Prélèvements à l'émission
    - teneurs en O<sub>2</sub>, CO<sub>2</sub>, SO<sub>2</sub>, CO, NO<sub>x</sub> (EPA méthodes 3A, 6C, 10 et 7E);
    - échantillonnage de poussières (EPA méthode 5 et 17);
    - échantillonnage de métaux (EPA méthode 29).
  - \* Traitement des échantillons
    - dosage des poussières totales (EPA méthode 5 et 17);
    - dosage des métaux lourds (EPA méthode 29).
  - \* Dosages des prélèvements
    - dosage de Al, As, Cd, Co, Cr, Fe, Mn, Ni, Pb, Sb, Se, Ti et V (EPA méthode 29).

*Tous les essais repris dans la liste BELTEST ci-avant et apparaissant dans ce rapport ont été réalisés sous accréditation.*

#### **Agréé par le Ministère des Communications et de l' Infrastructure ( MCI - Q2 )**

- Aspect et géométrie des vitrages;
- Déterminations photométriques sur vitrages;
- Performances des vitrages isolants;
- Essais chimiques sur matériaux silicatés et matières premières;
- Miroirs;
- Résistance aux chocs de vitrages de sécurité et éléments de façade;
- Mastics et dessiccants pour vitrages isolants.

#### **Agréé par le Ministère des Communications et de l' Infrastructure ( Administration de la circulation routière )**

- Essais d'homologation des vitrages de sécurité automobile ( UN R.43 - CEE 92/22 et 89/173).

#### **Agréé par Automotive Manufacturers Equipment Compliance Agency, Inc ( AMECA - Washington - U.S.A.)**

- Essais d'homologation des vitrages de sécurité automobile ( ANSI Z26.1 ).

#### **Agréé par Ministry of International Trade and Industry ( MITI - JAPAN )**

- Specific Inspection Body - Division ceramics.

#### **Agréé par le Ministère de la Région wallonne ( Direction Générale des Ressources Naturelles et**

#### **Environnement )**

- Prélèvement, mesure et analyse des émissions gazeuses ( poussières et composés inorganiques ).

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INSTITUT SCIENTIFIQUE  
DU VERRE  
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TECHNICAL PROPERTIES OF GLAZING UNITS  
-----  
Calculated from normal incidence measurements  
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IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit

Carat 6 mm  
Couche en 1

-----

*****									
* WL	* TOTAL	* TOTAL	* TOTAL	** WL	* TOTAL	* TOTAL	* TOTAL	* TOTAL	*
* (nm)	* TRANS	* REFLE	* ABSORB	** (nm)	* TRANS	* REFLE	* ABSORB	* ABSORB	*
*****									
* 300	* .0003	* .1584	* .8413	** 1050	* .0153	* .8964	* .0883	*	*
* 320	* .0015	* .2332	* .7653	** 1100	* .0113	* .9130	* .0758	*	*
* 340	* .0237	* .2392	* .7370	** 1150	* .0080	* .9233	* .0687	*	*
* 360	* .0619	* .2547	* .6834	** 1200	* .0074	* .9278	* .0649	*	*
* 380	* .1217	* .3206	* .5577	** 1250	* .0027	* .9368	* .0605	*	*
* 400	* .2410	* .3072	* .4518	** 1300	* .0025	* .9423	* .0552	*	*
* 420	* .3709	* .2256	* .4035	** 1350	* .0014	* .9438	* .0548	*	*
* 440	* .4725	* .1585	* .3690	** 1400	* .0011	* .9463	* .0526	*	*
* 460	* .5328	* .1339	* .3333	** 1450	* .0000	* .9415	* .0585	*	*
* 480	* .5603	* .1334	* .3063	** 1500	* .0000	* .9366	* .0634	*	*
* 500	* .5750	* .1353	* .2897	** 1550	* .0000	* .9378	* .0622	*	*
* 520	* .5831	* .1296	* .2873	** 1600	* .0000	* .9423	* .0577	*	*
* 540	* .5881	* .1127	* .2992	** 1650	* .0000	* .9557	* .0443	*	*
* 560	* .5907	* .0871	* .3223	** 1700	* .0000	* .9585	* .0415	*	*
* 580	* .5879	* .0597	* .3524	** 1750	* .0000	* .9619	* .0381	*	*
* 600	* .5776	* .0391	* .3833	** 1800	* .0000	* .9588	* .0412	*	*
* 620	* .5551	* .0348	* .4101	** 1850	* .0000	* .9640	* .0360	*	*
* 640	* .5189	* .0546	* .4265	** 1900	* .0000	* .9600	* .0400	*	*
* 660	* .4707	* .1009	* .4285	** 1950	* .0000	* .9693	* .0307	*	*
* 680	* .4143	* .1693	* .4164	** 2000	* .0000	* .9736	* .0264	*	*
* 700	* .3552	* .2528	* .3920	** 2050	* .0000	* .9855	* .0145	*	*
* 720	* .2980	* .3394	* .3626	** 2100	* .0000	* .9894	* .0106	*	*
* 740	* .2470	* .4240	* .3290	** 2150	* .0000	* .9947	* .0053	*	*
* 760	* .2031	* .5007	* .2962	** 2200	* .0000	* .9795	* .0205	*	*
* 780	* .1668	* .5666	* .2666	** 2250	* .0000	* .9763	* .0237	*	*
* 800	* .1374	* .6261	* .2365	** 2300	* .0000	* .9808	* .0192	*	*
* 850	* .0773	* .7317	* .1910	** 2350	* .0000	* .9908	* .0092	*	*
* 900	* .0531	* .8047	* .1421	** 2400	* .0000	* .9966	* .0034	*	*
* 950	* .0337	* .8466	* .1197	** 2450	* .0000	* .9922	* .0078	*	*
* 1000	* .0228	* .8695	* .1078	** 2500	* .0040	* .9965	* %-0.0006	*	*
*****									

IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit

Carat 6 mm  
Couche en 1

-----  
Proprietes energetiques  
Energetische eigenschappen  
Energy properties  
Energetische Eigenschaften  
Proprieta energetiche  
-----

Distribution spectrale solaire directe : Moon masse = 2  
Directe spectrale energieverdeling  
Direct spectral energy distribution  
Direkte spektrale Energieverteilung  
Diretto flussi energetici spettrali relativi

Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	27.9	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	46.2	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	25.9	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	34.6	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.39	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		

Valeur de k  
k-Waarde  
K or U value  
k-Werte  
Valore k

5.80 W/M2 K

IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit

Carat *6mm*  
Couche en 1

		C.I.E	
-----			
Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	25.5	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	49.0	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	25.6	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	32.1	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.36	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit

Carat 6mm  
Couche en 1

-----			
Distribution spectrale solaire		EN410	
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	27.4	+-.5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	45.5	+-.1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	27.1	+-.1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	34.4	+-.1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.39	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit

Carat *6 mm*  
Couche en 1

-----  
Proprietes lumineuses  
Licht eigenschappen  
Light properties  
Licht Eigenschaften  
Caratteristiche luminose  
-----

Distribution spectrale illuminant  
Spectrale energieverdeling naar lichtwijze  
Spectral energy distribution following illuminant  
Spektrale Energieverteilung nach Lichtfaktor  
Flussi energetici spettrali relativi della sorgente illuminante  
-----

D65

Transmission lumineuse	(TL)		
Lichtdoorlaat	(LTA)		
Light transmittance	(LT)	57.8	+ - .5%
Lichtdurchlässigkeit	(LR)		
Transmissione luminosa	(TL)		
Reflexion lumineuse	(RL)		
Lichtreflektie	(LR)		
Light reflectance	(LR)	9.0	+ - 1%
Lichtreflexion	(LR)		
Riflessione luminosa	(RL)		
Absorption lumineuse	(AL)		
Lichtabsorptie	(LA)		
Light absorption	(LA)	33.2	+ - 1%
Lichtabsorption	(LA)		
Assorbimento luminosa	(AL)		

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r7044c.DAT



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TECHNICAL PROPERTIES OF GLAZING UNITS  
 -----  
 Calculated from normal incidence measurements  
 -----

IDENTIFICATION OF THE GLAZING UNIT  
 Single Glazing Unit

Carat 6 mm  
 Couche en 2

-----

* WL * * (nm) *	* TOTAL * * TRANS *	* TOTAL * * REFLE *	* TOTAL * * ABSORB *	** WL ** ** (nm) **	* TOTAL * * TRANS *	* TOTAL * * REFLE *	* TOTAL * * ABSORB *
* 300 *	* .0003 *	* .0563 *	* .9434 *	** 1050 *	* .0153 *	* .4355 *	* .5493 *
* 320 *	* .0015 *	* .0539 *	* .9447 *	** 1100 *	* .0113 *	* .4523 *	* .5364 *
* 340 *	* .0237 *	* .0685 *	* .9078 *	** 1150 *	* .0080 *	* .4681 *	* .5238 *
* 360 *	* .0619 *	* .1351 *	* .8030 *	** 1200 *	* .0074 *	* .4839 *	* .5088 *
* 380 *	* .1217 *	* .2018 *	* .6765 *	** 1250 *	* .0027 *	* .5048 *	* .4924 *
* 400 *	* .2410 *	* .2614 *	* .4976 *	** 1300 *	* .0025 *	* .5265 *	* .4710 *
* 420 *	* .3709 *	* .2346 *	* .3944 *	** 1350 *	* .0014 *	* .5488 *	* .4498 *
* 440 *	* .4725 *	* .1872 *	* .3402 *	** 1400 *	* .0011 *	* .5714 *	* .4275 *
* 460 *	* .5328 *	* .1498 *	* .3174 *	** 1450 *	* .0000 *	* .5969 *	* .4031 *
* 480 *	* .5603 *	* .1267 *	* .3130 *	** 1500 *	* .0000 *	* .6190 *	* .3810 *
* 500 *	* .5750 *	* .1182 *	* .3068 *	** 1550 *	* .0000 *	* .6425 *	* .3575 *
* 520 *	* .5831 *	* .1183 *	* .2986 *	** 1600 *	* .0000 *	* .6624 *	* .3376 *
* 540 *	* .5881 *	* .1178 *	* .2941 *	** 1650 *	* .0000 *	* .6830 *	* .3170 *
* 560 *	* .5907 *	* .1124 *	* .2970 *	** 1700 *	* .0000 *	* .6912 *	* .3088 *
* 580 *	* .5879 *	* .1018 *	* .3102 *	** 1750 *	* .0000 *	* .6945 *	* .3055 *
* 600 *	* .5776 *	* .0888 *	* .3336 *	** 1800 *	* .0000 *	* .6909 *	* .3091 *
* 620 *	* .5551 *	* .0773 *	* .3676 *	** 1850 *	* .0000 *	* .6944 *	* .3056 *
* 640 *	* .5189 *	* .0729 *	* .4082 *	** 1900 *	* .0000 *	* .6884 *	* .3116 *
* 660 *	* .4707 *	* .0792 *	* .4501 *	** 1950 *	* .0000 *	* .6965 *	* .3035 *
* 680 *	* .4143 *	* .0969 *	* .4888 *	** 2000 *	* .0000 *	* .7010 *	* .2990 *
* 700 *	* .3552 *	* .1247 *	* .5201 *	** 2050 *	* .0000 *	* .7108 *	* .2892 *
* 720 *	* .2980 *	* .1575 *	* .5445 *	** 2100 *	* .0000 *	* .7156 *	* .2844 *
* 740 *	* .2470 *	* .1919 *	* .5611 *	** 2150 *	* .0000 *	* .7156 *	* .2844 *
* 760 *	* .2031 *	* .2249 *	* .5720 *	** 2200 *	* .0000 *	* .6729 *	* .3271 *
* 780 *	* .1668 *	* .2541 *	* .5791 *	** 2250 *	* .0000 *	* .6741 *	* .3259 *
* 800 *	* .1374 *	* .2811 *	* .5815 *	** 2300 *	* .0000 *	* .6932 *	* .3068 *
* 850 *	* .0773 *	* .3283 *	* .5944 *	** 2350 *	* .0000 *	* .7041 *	* .2959 *
* 900 *	* .0531 *	* .3743 *	* .5726 *	** 2400 *	* .0000 *	* .7041 *	* .2959 *
* 950 *	* .0337 *	* .3954 *	* .5708 *	** 2450 *	* .0000 *	* .6778 *	* .3222 *
* 1000 *	* .0228 *	* .4134 *	* .5638 *	** 2500 *	* .0040 *	* .6655 *	* .3305 *

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IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit

Carat 6 mm  
Couche en 2

-----  
Proprietes energetiques  
Energetische eigenschappen  
Energy properties  
Energetische Eigenschaften  
Proprieta energetiche  
-----

Distribution spectrale solaire directe : Moon masse = 2  
Directe spectrale energieverdeling  
Direct spectral energy distribution  
Direkte spektrale Energieverteilung  
Diretto flussi energetici spettrali relativi

Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	27.9	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	26.7	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	45.4	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	39.6	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.45	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		

Valeur de k  
k-Waarde  
K or U value  
k-Werte  
Valore k

5.80 W/M2 K

IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit

Carat 6 mm  
Couche en 2

		C.I.E	
-----			
Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	25.5	+-. .5%
Energie transmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	29.1	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	45.4	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	37.2	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.42	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit

Carat *6mm*  
Couche en 2

-----			
Distribution spectrale solaire			EN410
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	27.4	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	27.1	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	45.5	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	39.1	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.44	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit

Carat 6 mm  
Couche en 2

-----  
Proprietes lumineuses  
Licht eigenschappen  
Light properties  
Licht Eigenschaftien  
Caratteristiche luminose  
-----

Distribution spectrale illuminant D65  
Spectrale energieverdeling naar lichtwijze  
Spectral energy distribution following illuminant  
Spektrale Energieverteilung nach Lichtfaktor  
Flussi energetici spettrali relativi della sorgente illuminante  
-----

Transmission lumineuse	(TL)		
Lichtdoorlaat	(LTA)		
Light transmittance	(LT)	57.8	+ - .5%
Lichtdurchlassigkeit	(LR)		
Transmissione luminosa	(TL)		
Reflexion lumineuse	(RL)		
Lichtreflekie	(LR)		
Light refection	(LR)	10.8	+ - 1%
Lichtrefexion	(LR)		
Riflessione luminosa	(RL)		
Absorption lumineuse	(AL)		
Lichtabsorptie	(LA)		
Light absorption	(LA)	31.4	+ - 1%
Lichtabsorption	(LA)		
Assorbimento luminosa	(AL)		

FICHIERS UTILISES t7044.DAT  
r7044v.DAT

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TECHNICAL PROPERTIES OF GLAZING UNITS  
 -----  
 Calculated from normal incidence measurements  
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IDENTIFICATION OF THE GLAZING UNIT  
 Single Glazing Unit  
 Float Clear Energy 6 mm  
 couche en 1

-----

*****									
* WL	* TOTAL	* TOTAL	* TOTAL	** WL	* TOTAL	* TOTAL	* TOTAL	* TOTAL	*
* (nm)	* TRANS	* REFLE	* ABSORB	** (nm)	* TRANS	* REFLE	* ABSORB	* ABSORB	*
*****									
* 300	* .0005	* .1382	* .8612	** 1050	* .0556	* .8480	* .0964	*	*
* 320	* .0007	* .1917	* .8076	** 1100	* .0399	* .8762	* .0838	*	*
* 340	* .0305	* .1763	* .7932	** 1150	* .0328	* .8947	* .0725	*	*
* 360	* .0809	* .2408	* .6783	** 1200	* .0292	* .9042	* .0666	*	*
* 380	* .3025	* .2838	* .4137	** 1250	* .0226	* .9178	* .0596	*	*
* 400	* .5277	* .1717	* .3007	** 1300	* .0191	* .9267	* .0542	*	*
* 420	* .6506	* .0906	* .2588	** 1350	* .0152	* .9304	* .0544	*	*
* 440	* .7053	* .0562	* .2385	** 1400	* .0133	* .9340	* .0527	*	*
* 460	* .7338	* .0480	* .2181	** 1450	* .0100	* .9301	* .0599	*	*
* 480	* .7591	* .0535	* .1874	** 1500	* .0075	* .9271	* .0654	*	*
* 500	* .7780	* .0635	* .1584	** 1550	* .0070	* .9289	* .0641	*	*
* 520	* .7855	* .0748	* .1397	** 1600	* .0078	* .9340	* .0582	*	*
* 540	* .7862	* .0818	* .1320	** 1650	* .0062	* .9483	* .0455	*	*
* 560	* .7846	* .0829	* .1325	** 1700	* .0051	* .9514	* .0435	*	*
* 580	* .7811	* .0774	* .1416	** 1750	* .0028	* .9558	* .0414	*	*
* 600	* .7773	* .0670	* .1557	** 1800	* .0072	* .9532	* .0397	*	*
* 620	* .7715	* .0546	* .1739	** 1850	* .0027	* .9589	* .0384	*	*
* 640	* .7605	* .0440	* .1954	** 1900	* .0028	* .9532	* .0440	*	*
* 660	* .7441	* .0412	* .2147	** 1950	* .0026	* .9633	* .0342	*	*
* 680	* .7150	* .0510	* .2340	** 2000	* .0030	* .9696	* .0274	*	*
* 700	* .6725	* .0778	* .2497	** 2050	* .0027	* .9800	* .0173	*	*
* 720	* .6185	* .1219	* .2596	** 2100	* .0026	* .9850	* .0123	*	*
* 740	* .5556	* .1822	* .2622	** 2150	* .0026	* .9871	* .0103	*	*
* 760	* .4893	* .2519	* .2588	** 2200	* .0026	* .9726	* .0247	*	*
* 780	* .4233	* .3264	* .2503	** 2250	* .0025	* .9684	* .0291	*	*
* 800	* .3626	* .4023	* .2351	** 2300	* .0021	* .9787	* .0192	*	*
* 850	* .2374	* .5619	* .2006	** 2350	* .0015	* .9853	* .0132	*	*
* 900	* .1538	* .6815	* .1646	** 2400	* .0005	* .9947	* .0048	*	*
* 950	* .1066	* .7600	* .1334	** 2450	* .0000	* .9946	* .0054	*	*
* 1000	* .0777	* .8069	* .1154	** 2500	* .0002	* .9922	* .0077	*	*
*****									

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear Energy 6 mm

couche en 1

-----  
 Proprietes energetiques  
 Energetische eigenschappen  
 Energy properties  
 Energetische Eigenschaften  
 Proprieta energetiche  
 -----

Distribution spectrale solaire directe : Moon masse = 2  
 Directe spectrale energieverdeling  
 Direct spectral energy distribution  
 Direkte spektrale Energieverteilung  
 Diretto flussi energetici spettrali relativi

Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	44.5	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	38.0	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	17.4	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	49.0	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.56	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		

Valeur de k  
 k-Waarde  
 K or U value  
 k-Werte  
 Valore k

5.80 W/M2 K

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear Energy 6 mm

couche en 1

		C.I.E	
-----			
Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	40.3	+ - .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	41.8	+ - 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	18.0	+ - 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	44.9	+ - 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.51	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			



IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
Float Clear Energy 6 mm

couche en 1

-----			
Distribution spectrale solaire		EN410	
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	43.5	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	37.7	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	18.8	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	48.3	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.55	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear Energy 6 mm

couche en 1

-----  
 Proprietes lumineuses  
 Licht eigenschappen  
 Light properties  
 Licht Eigenschaften  
 Caratteristiche luminose  
 -----

Distribution spectrale illuminant D65  
 Spectrale energieverdeling naar lichtwijze  
 Spectral energy distribution following illuminant  
 Spektrale Energieverteilung nach Lichtfaktor  
 Flussi energetici spettrali relativi della sorgente illuminante  
 -----

Transmission lumineuse	(TL)		
Lichtdoorlaat	(LTA)		
Light transmittance	(LT)	77.9	+-.5%
Lichtdurchlässigkeit	(LR)		
Transmissione luminosa	(TL)		
Reflexion lumineuse	(RL)		
Lichtreflektie	(LR)		
Light reflectance	(LR)	7.3	+-.1%
Lichtreflexion	(LR)		
Riflessione luminosa	(RL)		
Absorption lumineuse	(AL)		
Lichtabsorptie	(LA)		
Light absorption	(LA)	14.8	+-.1%
Lichtabsorption	(LA)		
Assorbimento luminosa	(AL)		

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c:\prop\verres\energy2.dat

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TECHNICAL PROPERTIES OF GLAZING UNITS

Calculated from normal incidence measurements

IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
Float Clear Energy 6 mm

couche en 2

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*****									
* WL *	* TOTAL *	* TOTAL *	* TOTAL **	* WL *	* TOTAL *	* TOTAL *	* TOTAL *	* TOTAL *	* TOTAL *
* (nm) *	* TRANS *	* REFLE *	* ABSORB **	* (nm) *	* TRANS *	* REFLE *	* ABSORB *	* ABSORB *	* ABSORB *
*****									
* 300 *	* .0005 *	* .0575 *	* .9420 **	* 1050 *	* .0556 *	* .5197 *	* .4248 *	* .4248 *	* .4248 *
* 320 *	* .0007 *	* .0569 *	* .9424 **	* 1100 *	* .0399 *	* .5365 *	* .4235 *	* .4235 *	* .4235 *
* 340 *	* .0305 *	* .0601 *	* .9094 **	* 1150 *	* .0328 *	* .5505 *	* .4167 *	* .4167 *	* .4167 *
* 360 *	* .0809 *	* .1128 *	* .8063 **	* 1200 *	* .0292 *	* .5624 *	* .4085 *	* .4085 *	* .4085 *
* 380 *	* .3025 *	* .1974 *	* .5001 **	* 1250 *	* .0226 *	* .5800 *	* .3974 *	* .3974 *	* .3974 *
* 400 *	* .5277 *	* .1837 *	* .2886 **	* 1300 *	* .0191 *	* .5995 *	* .3814 *	* .3814 *	* .3814 *
* 420 *	* .6506 *	* .1309 *	* .2185 **	* 1350 *	* .0152 *	* .6200 *	* .3647 *	* .3647 *	* .3647 *
* 440 *	* .7053 *	* .0995 *	* .1952 **	* 1400 *	* .0133 *	* .6384 *	* .3483 *	* .3483 *	* .3483 *
* 460 *	* .7338 *	* .0819 *	* .1843 **	* 1450 *	* .0100 *	* .6596 *	* .3304 *	* .3304 *	* .3304 *
* 480 *	* .7591 *	* .0738 *	* .1671 **	* 1500 *	* .0075 *	* .6799 *	* .3126 *	* .3126 *	* .3126 *
* 500 *	* .7780 *	* .0741 *	* .1479 **	* 1550 *	* .0070 *	* .6993 *	* .2937 *	* .2937 *	* .2937 *
* 520 *	* .7855 *	* .0798 *	* .1346 **	* 1600 *	* .0078 *	* .7170 *	* .2751 *	* .2751 *	* .2751 *
* 540 *	* .7862 *	* .0840 *	* .1297 **	* 1650 *	* .0062 *	* .7366 *	* .2572 *	* .2572 *	* .2572 *
* 560 *	* .7846 *	* .0841 *	* .1314 **	* 1700 *	* .0051 *	* .7423 *	* .2526 *	* .2526 *	* .2526 *
* 580 *	* .7811 *	* .0787 *	* .1402 **	* 1750 *	* .0028 *	* .7443 *	* .2528 *	* .2528 *	* .2528 *
* 600 *	* .7773 *	* .0692 *	* .1535 **	* 1800 *	* .0072 *	* .7386 *	* .2543 *	* .2543 *	* .2543 *
* 620 *	* .7715 *	* .0582 *	* .1702 **	* 1850 *	* .0027 *	* .7409 *	* .2564 *	* .2564 *	* .2564 *
* 640 *	* .7605 *	* .0491 *	* .1904 **	* 1900 *	* .0028 *	* .7350 *	* .2622 *	* .2622 *	* .2622 *
* 660 *	* .7441 *	* .0464 *	* .2095 **	* 1950 *	* .0026 *	* .7410 *	* .2565 *	* .2565 *	* .2565 *
* 680 *	* .7150 *	* .0537 *	* .2313 **	* 2000 *	* .0030 *	* .7454 *	* .2516 *	* .2516 *	* .2516 *
* 700 *	* .6725 *	* .0740 *	* .2535 **	* 2050 *	* .0027 *	* .7531 *	* .2443 *	* .2443 *	* .2443 *
* 720 *	* .6185 *	* .1061 *	* .2753 **	* 2100 *	* .0026 *	* .7578 *	* .2396 *	* .2396 *	* .2396 *
* 740 *	* .5556 *	* .1484 *	* .2960 **	* 2150 *	* .0026 *	* .7517 *	* .2457 *	* .2457 *	* .2457 *
* 760 *	* .4893 *	* .1952 *	* .3155 **	* 2200 *	* .0026 *	* .7060 *	* .2914 *	* .2914 *	* .2914 *
* 780 *	* .4233 *	* .2429 *	* .3339 **	* 2250 *	* .0025 *	* .7030 *	* .2945 *	* .2945 *	* .2945 *
* 800 *	* .3626 *	* .2888 *	* .3486 **	* 2300 *	* .0021 *	* .7210 *	* .2769 *	* .2769 *	* .2769 *
* 850 *	* .2374 *	* .3793 *	* .3833 **	* 2350 *	* .0015 *	* .7311 *	* .2674 *	* .2674 *	* .2674 *
* 900 *	* .1538 *	* .4374 *	* .4087 **	* 2400 *	* .0005 *	* .7318 *	* .2677 *	* .2677 *	* .2677 *
* 950 *	* .1066 *	* .4754 *	* .4179 **	* 2450 *	* .0000 *	* .7098 *	* .2901 *	* .2901 *	* .2901 *
* 1000 *	* .0777 *	* .4975 *	* .4248 **	* 2500 *	* .0002 *	* .6906 *	* .3092 *	* .3092 *	* .3092 *
*****									

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear Energy 6 mm

couche en 2

-----  
 Proprietes energetiques  
 Energetische eigenschappen  
 Energy properties  
 Energetische Eigenschaften  
 Proprieta energetiche  
 -----

Distribution spectrale solaire directe : Moon masse = 2  
 Directe spectrale energieverdeling  
 Direct spectral energy distribution  
 Direkte spektrale Energieverteilung  
 Diretto flussi energetici spettrali relativi

Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	44.5	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	27.0	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	28.4	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	51.9	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.59	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		

Valeur de k  
 k-Waarde  
 K or U value  
 k-Werte  
 Valore k

5.80 W/M2 K

IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
Float Clear Energy 6 mm

couche en 2

		C.I.E	
-----			
Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique (TE)			
Energie transmissie (ET)			
Energy transmittance (ET)	40.3	+ -	.5%
Energietransmission (ET)			
Transmissione energetica (TE)			
Reflexion energetique (RE)			
Energy reflektie (ER)			
Energy reflectance (ER)	29.5	+ -	1%
Energie Reflexion (ER)			
Riflessione energetica (ER)			
Absorption energetique (AE)			
Energie absorptie (EA)			
Energy absorption (EA)	30.3	+ -	1%
Energie Absorption (EA)			
Assorbimento energetico (AE)			
Facteur solaire (FS=TET)			
Zontoetredingsfaktor (ZTA)			
Solar factor (SF)	48.1	+ -	1%
Gesamte Energiedurchgang (GED oder g)			
Fattore solare (FS)			
Shading coefficient (SC)			
Shading coefficient (SC)			
Shading coefficient (SC)	.55		
Schattenfaktor (b)			
Shading coefficiente (SC)			
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
Float Clear Energy 6 mm

couche en 2

		-----	
		EN410	
Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	43.5	+-. .5%
Energie transmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	27.0	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	29.5	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	51.1	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.58	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
	Valeur de k		
	k-Waarde		
	K or U value	5.80	W/M2 K
	k-Werte		
	Valore k		

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear Energy 6 mm

couche en 2

-----  
 Proprietes lumineuses  
 Licht eigenschappen  
 Light properties  
 Licht Eigenschaften  
 Caratteristiche luminose  
 -----

Distribution spectrale illuminant  
 Spectrale energieverdeling naar lichtwijze  
 Spectral energy distribution following illuminant  
 Spektrale Energieverteilung nach Lichtfaktor  
 Flussi energetici spettrali relativi della sorgente illuminante  
 -----

D65

Transmission lumineuse	(TL)		
Lichtdoorlaat	(LTA)		
Light transmittance	(LT)	77.9	+-.5%
Lichtdurchlassigkeit	(LR)		
Transmissione luminosa	(TL)		
Reflexion lumineuse	(RL)		
Lichtreflekie	(LR)		
Light reflectance	(LR)	7.7	+-.1%
Lichtrefexion	(LR)		
Riflessione luminosa	(RL)		
Absorption lumineuse	(AL)		
Lichtabsorptie	(LA)		
Light absorption	(LA)	14.4	+-.1%
Lichtabsorption	(LA)		
Assorbimento luminosa	(AL)		

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TECHNICAL PROPERTIES OF GLAZING UNITS  
 -----  
 Calculated from normal incidence measurements  
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IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
Float Clear TOP N 6 mm

Top N Position1

-----

WL (nm)	TOTAL TRANS	TOTAL REFLE	TOTAL ABSORB	WL (nm)	TOTAL TRANS	TOTAL REFLE	TOTAL ABSORB
* 300	* .0000	* .2204	* .7795	** 1050	* .3834	* .4699	* .1467
* 320	* .0116	* .2337	* .7546	** 1100	* .3438	* .5228	* .1334
* 340	* .1304	* .1869	* .6827	** 1150	* .3083	* .5674	* .1243
* 360	* .3053	* .2011	* .4936	** 1200	* .2783	* .6046	* .1170
* 380	* .5712	* .2171	* .2117	** 1250	* .2522	* .6413	* .1065
* 400	* .7281	* .1512	* .1207	** 1300	* .2297	* .6711	* .0992
* 420	* .7825	* .1113	* .1062	** 1350	* .2108	* .6953	* .0939
* 440	* .8071	* .0926	* .1002	** 1400	* .1934	* .7168	* .0899
* 460	* .8244	* .0844	* .0912	** 1450	* .1793	* .7306	* .0900
* 480	* .8365	* .0813	* .0822	** 1500	* .1671	* .7428	* .0901
* 500	* .8454	* .0780	* .0766	** 1550	* .1556	* .7562	* .0883
* 520	* .8523	* .0740	* .0738	** 1600	* .1449	* .7721	* .0830
* 540	* .8569	* .0682	* .0749	** 1650	* .1341	* .7947	* .0712
* 560	* .8603	* .0619	* .0778	** 1700	* .1245	* .8070	* .0685
* 580	* .8594	* .0555	* .0851	** 1750	* .1158	* .8188	* .0653
* 600	* .8573	* .0503	* .0924	** 1800	* .1073	* .8241	* .0685
* 620	* .8524	* .0469	* .1007	** 1850	* .1004	* .8353	* .0642
* 640	* .8439	* .0457	* .1103	** 1900	* .0922	* .8394	* .0684
* 660	* .8334	* .0477	* .1189	** 1950	* .0869	* .8528	* .0603
* 680	* .8209	* .0528	* .1263	** 2000	* .0826	* .8630	* .0544
* 700	* .8045	* .0614	* .1341	** 2050	* .0769	* .8775	* .0456
* 720	* .7856	* .0729	* .1415	** 2100	* .0719	* .8876	* .0406
* 740	* .7626	* .0880	* .1494	** 2150	* .0661	* .8960	* .0379
* 760	* .7358	* .1058	* .1584	** 2200	* .0580	* .8866	* .0554
* 780	* .7110	* .1262	* .1628	** 2250	* .0540	* .8884	* .0576
* 800	* .6810	* .1494	* .1696	** 2300	* .0516	* .8977	* .0507
* 850	* .6122	* .2101	* .1777	** 2350	* .0450	* .9074	* .0476
* 900	* .5432	* .2885	* .1682	** 2400	* .0415	* .9183	* .0401
* 950	* .4823	* .3509	* .1668	** 2450	* .0324	* .9216	* .0460
* 1000	* .4297	* .4102	* .1601	** 2500	* .0222	* .9220	* .0558

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## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear TOP N 6 mm

Top N Position1

-----  
 Proprietes energetiques  
 Energetische eigenschappen  
 Energy properties  
 Energetische Eigenschaften  
 Proprieta energetiche  
 -----

Distribution spectrale solaire directe : Moon masse = 2  
 Directe spectrale energieverdeling  
 Direct spectral energy distribution  
 Direkte spektrale Energieverteilung  
 Diretto flussi energetici spettrali relativi

Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	63.4	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		

Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	24.0	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		

Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	12.6	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		

Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	66.7	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		

Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.76	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		

Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear TOP N 6 mm

Top N Position1

		-----		C.I.E	
Distribution spectrale solaire					
Directe spectrale energieverdeling					
Direct spectral energy distribution					
Direkte spektrale Energieverteilung					
Diretto flussi energetici spettrali relativi					
Transmission energetique	(TE)				
Energie transmissie	(ET)				
Energy transmittance	(ET)	58.0	+ -	.5%	
Energie transmission	(ET)				
Transmissione energetica	(TE)				
Reflexion energetique	(RE)				
Energy reflektie	(ER)				
Energy reflectance	(ER)	28.7	+ -	1%	
Energie Reflexion	(ER)				
Riflessione energetica	(ER)				
Absorption energetique	(AE)				
Energie absorptie	(EA)				
Energy absorption	(EA)	13.3	+ -	1%	
Energie Absorption	(EA)				
Assorbimento energetico	(AE)				
Facteur solaire	(FS=TET)				
Zontoetredingsfaktor	(ZTA)				
Solar factor	(SF)	61.5	+ -	1%	
Gesamte Energiedurchgang	(GED oder g)				
Fattore solare	(FS)				
Shading coefficient	(SC)				
Shading coefficient	(SC)				
Shading coefficient	(SC)	.70			
Schattenfaktor	(b)				
Shading coefficiente	(SC)				
Valeur de k					
k-Waarde					
K or U value		5.80			W/M2 K
k-Werte					
Valore k					

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear TOP N 6 mm

Top N Position1

---

Distribution spectrale solaire		EN410	
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	61.4	+-. 5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	25.2	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	13.4	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	64.8	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.74	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear TOP N 6 mm

Top N Position1

-----  
 Proprietes lumineuses  
 Licht eigenschappen  
 Light properties  
 Licht Eigenschaftien  
 Caratteristiche luminose  
 -----

Distribution spectrale illuminant D65  
 Spectrale energieverdeling naar lichtwijze  
 Spectral energy distribution following illuminant  
 Spektrale Energieverteilung nach Lichtfaktor  
 Flussi energetici spettrali relativi della sorgente illuminante  
 -----

Transmission lumineuse	(TL)		
Lichtdoorlaat	(LTA)		
Light transmittance	(LT)	85.4	+ - .5%
Lichtdurchlässigkeit	(LR)		
Transmissione luminosa	(TL)		
Reflexion lumineuse	(RL)		
Lichtreflektie	(LR)		
Light reflectance	(LR)	6.3	+ - 1%
Lichtreflexion	(LR)		
Riflessione luminosa	(RL)		
Absorption lumineuse	(AL)		
Lichtabsorptie	(LA)		
Light absorption	(LA)	8.3	+ - 1%
Lichtabsorption	(LA)		
Assorbimento luminosa	(AL)		

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INSTITUT SCIENTIFIQUE  
DU VERRE  
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TECHNICAL PROPERTIES OF GLAZING UNITS  
-----  
Calculated from normal incidence measurements  
-----

IDENTIFICATION OF THE GLAZING UNIT  
Single Glazing Unit  
Float Clear TOP N 6 mm  
  
Top N Position 2

-----

*****									
* WL	* TOTAL	* TOTAL	* TOTAL	** WL	* TOTAL	* TOTAL	* TOTAL	* TOTAL	*
* (nm)	* TRANS	* REFLE	* ABSORB	** (nm)	* TRANS	* REFLE	* ABSORB	* ABSORB	*
*****									
* 300	* .0000	* .0476	* .9524	** 1050	* .3834	* .3388	* .2778	*	*
* 320	* .0116	* .0491	* .9393	** 1100	* .3438	* .3742	* .2820	*	*
* 340	* .1304	* .1589	* .7107	** 1150	* .3083	* .4054	* .2863	*	*
* 360	* .3053	* .2681	* .4267	** 1200	* .2783	* .4337	* .2880	*	*
* 380	* .5712	* .1994	* .2294	** 1250	* .2522	* .4638	* .2840	*	*
* 400	* .7281	* .1477	* .1243	** 1300	* .2297	* .4924	* .2780	*	*
* 420	* .7825	* .1169	* .1006	** 1350	* .2108	* .5196	* .2696	*	*
* 440	* .8071	* .1067	* .0861	** 1400	* .1934	* .5428	* .2638	*	*
* 460	* .8244	* .1043	* .0713	** 1450	* .1793	* .5680	* .2527	*	*
* 480	* .8365	* .1030	* .0605	** 1500	* .1671	* .5919	* .2410	*	*
* 500	* .8454	* .0995	* .0550	** 1550	* .1556	* .6134	* .2311	*	*
* 520	* .8523	* .0950	* .0527	** 1600	* .1449	* .6345	* .2205	*	*
* 540	* .8569	* .0889	* .0542	** 1650	* .1341	* .6572	* .2087	*	*
* 560	* .8603	* .0822	* .0574	** 1700	* .1245	* .6679	* .2076	*	*
* 580	* .8594	* .0755	* .0652	** 1750	* .1158	* .6754	* .2088	*	*
* 600	* .8573	* .0699	* .0728	** 1800	* .1073	* .6752	* .2175	*	*
* 620	* .8524	* .0660	* .0817	** 1850	* .1004	* .6797	* .2199	*	*
* 640	* .8439	* .0641	* .0920	** 1900	* .0922	* .6786	* .2292	*	*
* 660	* .8334	* .0649	* .1017	** 1950	* .0869	* .6881	* .2250	*	*
* 680	* .8209	* .0682	* .1108	** 2000	* .0826	* .6938	* .2235	*	*
* 700	* .8045	* .0745	* .1209	** 2050	* .0769	* .7042	* .2189	*	*
* 720	* .7856	* .0827	* .1317	** 2100	* .0719	* .7096	* .2185	*	*
* 740	* .7626	* .0935	* .1439	** 2150	* .0661	* .7047	* .2292	*	*
* 760	* .7358	* .1061	* .1581	** 2200	* .0580	* .6567	* .2854	*	*
* 780	* .7110	* .1201	* .1689	** 2250	* .0540	* .6561	* .2899	*	*
* 800	* .6810	* .1356	* .1834	** 2300	* .0516	* .6762	* .2723	*	*
* 850	* .6122	* .1759	* .2119	** 2350	* .0450	* .6857	* .2693	*	*
* 900	* .5432	* .2257	* .2310	** 2400	* .0415	* .6863	* .2722	*	*
* 950	* .4823	* .2636	* .2542	** 2450	* .0324	* .6663	* .3013	*	*
* 1000	* .4297	* .3003	* .2700	** 2500	* .0222	* .6412	* .3366	*	*
*****									

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear TOP N 6 mm

Top N Position 2

-----  
 Proprietes energetiques  
 Energetische eigenschappen  
 Energy properties  
 Energetische Eigeschaften  
 Proprieta energetiche  
 -----

Distribution spectrale solaire directe : Moon masse = 2  
 Directe spectrale energieverdeling  
 Direct spectral energy distribution  
 Direkte spektrale Energieverteilung  
 Diretto flussi energetici spettrali relativi

Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	63.4	+-.5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		

Reflexion energetique	(RE)		
Energie reflektie	(ER)		
Energy reflectance	(ER)	20.3	+-.1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		

Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	16.2	+-.1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		

Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	67.6	+-.1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		

Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.77	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		

Valeur de k			
k-Waarde			
K or U value	5.80	W/M2	K
k-Werte			
Valore k			

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear TOP N 6 mm

Top N Position 2

		C.I.E	
-----			
Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique (TE)			
Energie transmissie (ET)			
Energy transmittance (ET)	58.0	+ -	.5%
Energietransmission (ET)			
Transmissione energetica (TE)			
Reflexion energetique (RE)			
Energy reflektie (ER)			
Energy reflectance (ER)	23.4	+ -	1%
Energie Reflexion (ER)			
Riflessione energetica (ER)			
Absorption energetique (AE)			
Energie absorptie (EA)			
Energy absorption (EA)	18.5	+ -	1%
Energie Absorption (EA)			
Assorbimento energetico (AE)			
Facteur solaire (FS=TET)			
Zontoetredingsfaktor (ZTA)			
Solar factor (SF)	62.8	+ -	1%
Gesamte Energiedurchgang (GED oder g)			
Fattore solare (FS)			
Shading coefficient (SC)			
Shading coefficient (SC)			
Shading coefficient (SC)	.71		
Schattenfaktor (b)			
Shading coefficiente (SC)			
Valeur de k			
k-Waarde			
K or U value	5.80		W/M2 K
k-Werte			
Valore k			

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear TOP N 6 mm

Top N Position 2

		-----		EN410
Distribution spectrale solaire				
Directe spectrale energieverdeling				
Direct spectral energy distribution				
Direkte spektrale Energieverteilung				
Diretto flussi energetici spettrali relativi				
Transmission energetique	(TE)			
Energie transmissie	(ET)			
Energy transmittance	(ET)	61.4	+ - .5%	
Energietransmission	(ET)			
Transmissione energetica	(TE)			
Reflexion energetique	(RE)			
Energy reflektie	(ER)			
Energy reflectance	(ER)	21.3	+ - 1%	
Energie Reflexion	(ER)			
Riflessione energetica	(ER)			
Absorption energetique	(AE)			
Energie absorptie	(EA)			
Energy absorption	(EA)	17.3	+ - 1%	
Energie Absorption	(EA)			
Assorbimento energetico	(AE)			
Facteur solaire	(FS=TET)			
Zontoetredingsfaktor	(ZTA)			
Solar factor	(SF)	65.8	+ - 1%	
Gesamte Energiedurchgang	(GED oder g)			
Fattore solare	(FS)			
Shading coefficient	(SC)			
Shading coefficient	(SC)			
Shading coefficient	(SC)	.75		
Schattenfaktor	(b)			
Shading coefficiente	(SC)			
Valeur de k				
k-Waarde				
K or U value		5.80		W/M2 K
k-Werte				
Valore k				



## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear TOP N 6 mm

Top N Position 2

-----  
 Proprietes lumineuses  
 Licht eigenschappen  
 Light properties  
 Licht Eigenschaften  
 Caratteristiche luminose  
 -----

Distribution spectrale illuminant  
 Spectrale energieverdeling naar lichtwijze  
 Spectral energy distribution following illuminant  
 Spektrale Energieverteilung nach Lichtfaktor  
 Flussi energetici spettrali relativi della sorgente illuminante  
 -----

D65

Transmission lumineuse	(TL)		
Lichtdoorlaat	(LTA)		
Light transmittance	(LT)	85.4	+ - .5%
Lichtdurchlassigkeit	(LR)		
Transmissione luminosa	(TL)		
Reflexion lumineuse	(RL)		
Lichtreflekie	(LR)		
Light reflectance	(LR)	8.3	+ - 1%
Lichtrefexion	(LR)		
Riflessione luminosa	(RL)		
Absorption lumineuse	(AL)		
Lichtabsorptie	(LA)		
Light absorption	(LA)	6.2	+ - 1%
Lichtabsorption	(LA)		
Assorbimento luminosa	(AL)		

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 INSTITUT SCIENTIFIQUE  
 DU VERRE  
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TECHNICAL PROPERTIES OF GLAZING UNITS  
 -----  
 Calculated from normal incidence measurements  
 -----

IDENTIFICATION OF THE GLAZING UNIT  
 Single Glazing Unit  
 Float Clear stopray elite\* 6 mm  
 Couche en 1

-----

*****									
* WL	* TOTAL	* TOTAL	* TOTAL	** WL	* TOTAL	* TOTAL	* TOTAL	* TOTAL	*
* (nm)	* TRANS	* REFLE	* ABSORB	** (nm)	* TRANS	* REFLE	* ABSORB	* ABSORB	*
*****									
* 300	* .0000	* .1364	* .8636	** 1050	* .0505	* .8613	* .0882	*	*
* 320	* .0005	* .1895	* .8100	** 1100	* .0386	* .8863	* .0750	*	*
* 340	* .0162	* .1864	* .7974	** 1150	* .0300	* .9014	* .0686	*	*
* 360	* .0612	* .2255	* .7132	** 1200	* .0240	* .9097	* .0663	*	*
* 380	* .2527	* .2815	* .4659	** 1250	* .0196	* .9221	* .0583	*	*
* 400	* .5020	* .1803	* .3177	** 1300	* .0159	* .9294	* .0547	*	*
* 420	* .6368	* .0960	* .2672	** 1350	* .0133	* .9328	* .0539	*	*
* 440	* .7006	* .0622	* .2372	** 1400	* .0116	* .9371	* .0513	*	*
* 460	* .7388	* .0568	* .2043	** 1450	* .0099	* .9332	* .0569	*	*
* 480	* .7542	* .0623	* .1835	** 1500	* .0086	* .9305	* .0609	*	*
* 500	* .7594	* .0712	* .1694	** 1550	* .0072	* .9314	* .0614	*	*
* 520	* .7625	* .0791	* .1583	** 1600	* .0061	* .9364	* .0575	*	*
* 540	* .7574	* .0828	* .1597	** 1650	* .0052	* .9509	* .0439	*	*
* 560	* .7561	* .0812	* .1626	** 1700	* .0040	* .9541	* .0419	*	*
* 580	* .7517	* .0743	* .1739	** 1750	* .0035	* .9573	* .0392	*	*
* 600	* .7463	* .0650	* .1886	** 1800	* .0028	* .9537	* .0435	*	*
* 620	* .7372	* .0567	* .2061	** 1850	* .0030	* .9584	* .0386	*	*
* 640	* .7220	* .0544	* .2236	** 1900	* .0025	* .9521	* .0455	*	*
* 660	* .6995	* .0633	* .2372	** 1950	* .0023	* .9578	* .0399	*	*
* 680	* .6699	* .0880	* .2421	** 2000	* .0019	* .9597	* .0384	*	*
* 700	* .6242	* .1299	* .2460	** 2050	* .0015	* .9587	* .0397	*	*
* 720	* .5669	* .1875	* .2457	** 2100	* .0018	* .9579	* .0403	*	*
* 740	* .5006	* .2564	* .2430	** 2150	* .0008	* .9504	* .0488	*	*
* 760	* .4337	* .3306	* .2357	** 2200	* .0000	* .9578	* .0422	*	*
* 780	* .3739	* .4041	* .2219	** 2250	* .0009	* .9664	* .0327	*	*
* 800	* .3160	* .4746	* .2094	** 2300	* .0008	* .9617	* .0375	*	*
* 850	* .2007	* .6149	* .1844	** 2350	* .0000	* .9795	* .0205	*	*
* 900	* .1362	* .7211	* .1427	** 2400	* .0000	* .9738	* .0262	*	*
* 950	* .0951	* .7843	* .1205	** 2450	* .0001	* .9759	* .0240	*	*
* 1000	* .0683	* .8244	* .1074	** 2500	* .0016	* .9800	* .0184	*	*
*****									

IDENTIFICATION OF THE GLAZING UNIT  
 Single Glazing Unit  
 Float Clear stopray elite\* 6 mm

Couche en 1

-----  
 Proprietes energetiques  
 Energetische eigenschappen  
 Energy properties  
 Energetische Eigenschaften  
 Proprieta energetiche  
 -----

Distribution spectrale solaire directe : Moon masse = 2  
 Directe spectrale energieverdeling  
 Direct spectral energy distribution  
 Direkte spektrale Energieverteilung  
 Diretto flussi energetici spettrali relativi

Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	42.2	+ - .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	40.2	+ - 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	17.6	+ - 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	46.7	+ - 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.53	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		

Valeur de k  
 k-Waarde  
 K or U value 5.80 W/M2 K  
 k-Werte  
 Valore k

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear stopray elite\* 6 mm

Couche en 1

		C.I.E	
-----			
Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique (TE)			
Energie transmissie (ET)			
Energy transmittance (ET)	38.3	+ -	.5%
Energietransmission (ET)			
Transmissione energetica (TE)			
Reflexion energetique (RE)			
Energy reflektie (ER)			
Energy reflectance (ER)	43.5	+ -	1%
Energie Reflexion (ER)			
Riflessione energetica (ER)			
Absorption energetique (AE)			
Energie absorptie (EA)			
Energy absorption (EA)	18.2	+ -	1%
Energie Absorption (EA)			
Assorbimento energetico (AE)			
Facteur solaire (FS=TET)			
Zontoetredingsfaktor (ZTA)			
Solar factor (SF)	43.0	+ -	1%
Gesamte Energiedurchgang (GED oder g)			
Fattore solare (FS)			
Shading coefficient (SC)			
Shading coefficient (SC)			
Shading coefficient (SC)	.49		
Schattenfaktor (b)			
Shading coefficiente (SC)			
Valeur de k			
k-Waarde			
K or U value	5.80		W/M2 K
k-Werte			
Valore k			

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear stopray elite\* 6 mm

Couche en 1

-----			
Distribution spectrale solaire		EN410	
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	41.3	+ - .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	39.6	+ - 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	19.2	+ - 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	46.2	+ - 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.53	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear stopray elite\* 6 mm

Couche en 1

-----  
 Proprietes lumineuses  
 Licht eigenschappen  
 Light properties  
 Licht Eigenschaft  
 Caratteristiche luminose  
 -----

Distribution spectrale illuminant D65  
 Spectrale energieverdeling naar lichtwijze  
 Spectral energy distribution following illuminant  
 Spektrale Energieverteilung nach Lichtfaktor  
 Flussi energetici spettrali relativi della sorgente illuminante  
 -----

Transmission lumineuse	(TL)		
Lichtdoorlaat	(LTA)		
Light transmittance	(LT)	75.2	+ - .5%
Lichtdurchlässigkeit	(LR)		
Transmissione luminosa	(TL)		
Reflexion lumineuse	(RL)		
Lichtreflektie	(LR)		
Light reflectance	(LR)	7.4	+ - 1%
Lichtreflexion	(LR)		
Riflessione luminosa	(RL)		
Absorption lumineuse	(AL)		
Lichtabsorptie	(LA)		
Light absorption	(LA)	17.3	+ - 1%
Lichtabsorption	(LA)		
Assorbimento luminosa	(AL)		

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 INSTITUT SCIENTIFIQUE  
 DU VERRE  
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TECHNICAL PROPERTIES OF GLAZING UNITS

Calculated from normal incidence measurements

IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
Float Clear stopray elite\* 6 mm

Couche en 2

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WL (nm)	TOTAL TRANS	TOTAL REFLE	TOTAL ABSORB	WL (nm)	TOTAL TRANS	TOTAL REFLE	TOTAL ABSORB
* 300	* .0000	* .0476	* .9524	** 1050	* .0505	* .5760	* .3735
* 320	* .0005	* .0471	* .9525	** 1100	* .0386	* .5890	* .3723
* 340	* .0162	* .0532	* .9306	** 1150	* .0300	* .6046	* .3655
* 360	* .0612	* .1027	* .8361	** 1200	* .0240	* .6089	* .3671
* 380	* .2527	* .1949	* .5524	** 1250	* .0196	* .6220	* .3583
* 400	* .5020	* .1927	* .3053	** 1300	* .0159	* .6379	* .3463
* 420	* .6368	* .1317	* .2315	** 1350	* .0133	* .6541	* .3326
* 440	* .7006	* .0960	* .2035	** 1400	* .0116	* .6798	* .3086
* 460	* .7388	* .0800	* .1812	** 1450	* .0099	* .6860	* .3041
* 480	* .7542	* .0747	* .1711	** 1500	* .0086	* .7011	* .2902
* 500	* .7594	* .0757	* .1648	** 1550	* .0072	* .7177	* .2751
* 520	* .7625	* .0789	* .1586	** 1600	* .0061	* .7350	* .2589
* 540	* .7574	* .0800	* .1625	** 1650	* .0052	* .7469	* .2479
* 560	* .7561	* .0774	* .1665	** 1700	* .0040	* .7512	* .2448
* 580	* .7517	* .0700	* .1783	** 1750	* .0035	* .7538	* .2427
* 600	* .7463	* .0607	* .1930	** 1800	* .0028	* .7504	* .2468
* 620	* .7372	* .0521	* .2107	** 1850	* .0030	* .7450	* .2520
* 640	* .7220	* .0482	* .2298	** 1900	* .0025	* .7373	* .2602
* 660	* .6995	* .0529	* .2476	** 1950	* .0023	* .7498	* .2479
* 680	* .6699	* .0702	* .2599	** 2000	* .0019	* .7470	* .2511
* 700	* .6242	* .1014	* .2744	** 2050	* .0015	* .7418	* .2566
* 720	* .5669	* .1447	* .2884	** 2100	* .0018	* .7643	* .2338
* 740	* .5006	* .1947	* .3047	** 2150	* .0008	* .7632	* .2359
* 760	* .4337	* .2462	* .3201	** 2200	* .0000	* .6971	* .3028
* 780	* .3739	* .3001	* .3260	** 2250	* .0009	* .7007	* .2984
* 800	* .3160	* .3446	* .3394	** 2300	* .0008	* .7380	* .2612
* 850	* .2007	* .4268	* .3725	** 2350	* .0000	* .7496	* .2504
* 900	* .1362	* .5100	* .3538	** 2400	* .0000	* .7310	* .2690
* 950	* .0951	* .5398	* .3650	** 2450	* .0001	* .6903	* .3097
* 1000	* .0683	* .5560	* .3757	** 2500	* .0016	* .6461	* .3524

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## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear stopray elite\* 6 mm

Couche en 2

-----  
 Proprietes energetiques  
 Energetische eigenschappen  
 Energy properties  
 Energetische Eigeschaften  
 Proprieta energetiche  
 -----

Distribution spectrale solaire directe : Moon masse = 2  
 Directe spectrale energieverdeling  
 Direct spectral energy distribution  
 Direkte spektrale Energieverteilung  
 Diretto flussi energetici spettrali relativi

Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	42.2	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		

Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	29.5	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		

Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	28.4	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		

Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	49.5	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		

Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.56	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		

Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			



IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear stopray elite\* 6 mm

Couche en 2

		C.I.E	
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Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	38.3	+ - .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	31.6	+ - 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	30.2	+ - 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	46.1	+ - 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.52	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear stopray elite\* 6 mm

Couche en 2

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		EN410	
Distribution spectrale solaire			
Directe spectrale energieverdeling			
Direct spectral energy distribution			
Direkte spektrale Energieverteilung			
Diretto flussi energetici spettrali relativi			
Transmission energetique	(TE)		
Energie transmissie	(ET)		
Energy transmittance	(ET)	41.3	+-. .5%
Energietransmission	(ET)		
Transmissione energetica	(TE)		
Reflexion energetique	(RE)		
Energy reflektie	(ER)		
Energy reflectance	(ER)	29.2	+-. 1%
Energie Reflexion	(ER)		
Riflessione energetica	(ER)		
Absorption energetique	(AE)		
Energie absorptie	(EA)		
Energy absorption	(EA)	29.6	+-. 1%
Energie Absorption	(EA)		
Assorbimento energetico	(AE)		
Facteur solaire	(FS=TET)		
Zontoetredingsfaktor	(ZTA)		
Solar factor	(SF)	48.9	+-. 1%
Gesamte Energiedurchgang	(GED oder g)		
Fattore solare	(FS)		
Shading coefficient	(SC)		
Shading coefficient	(SC)		
Shading coefficient	(SC)	.56	
Schattenfaktor	(b)		
Shading coefficiente	(SC)		
Valeur de k			
k-Waarde			
K or U value		5.80	W/M2 K
k-Werte			
Valore k			

## IDENTIFICATION OF THE GLAZING UNIT

Single Glazing Unit  
 Float Clear stopray elite\* 6 mm

Couche en 2

-----  
 Proprietes lumineuses  
 Licht eigenschappen  
 Light properties  
 Licht Eigenschaften  
 Caratteristiche luminose  
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Distribution spectrale illuminant  
 Spectrale energieverdeling naar lichtwijze  
 Spectral energy distribution following illuminant  
 Spektrale Energieverteilung nach Lichtfaktor  
 Flussi energetici spettrali relativi della sorgente illuminante  
 -----

D65

Transmission lumineuse	(TL)		
Lichtdoorlaat	(LTA)		
Light transmittance	(LT)	75.2	+ - .5%
Lichtdurchlassigkeit	(LR)		
Transmissione luminosa	(TL)		
Reflexion lumineuse	(RL)		
Lichtreflekie	(LR)		
Light reflectance	(LR)	7.2	+ - 1%
Lichtrefexion	(LR)		
Riflessione luminosa	(RL)		
Absorption lumineuse	(AL)		
Lichtabsorptie	(LA)		
Light absorption	(LA)	17.5	+ - 1%
Lichtabsorption	(LA)		
Assorbimento luminosa	(AL)		

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