SGG CLIMAPLUS 4 (6 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	6 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 14 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	2.01 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	14.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD

SGG CLIMAPLUS 4 (8 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	8 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 16 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.68 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	16.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

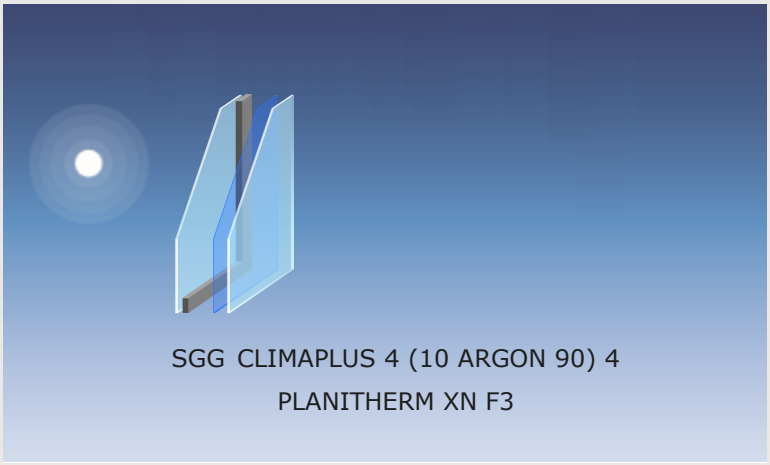
Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD



SGG CLIMAPLUS 4 (10 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	10 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 18 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.45 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	18.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD

SGG CLIMAPLUS 4 (12 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	12 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 20 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.28 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	20.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

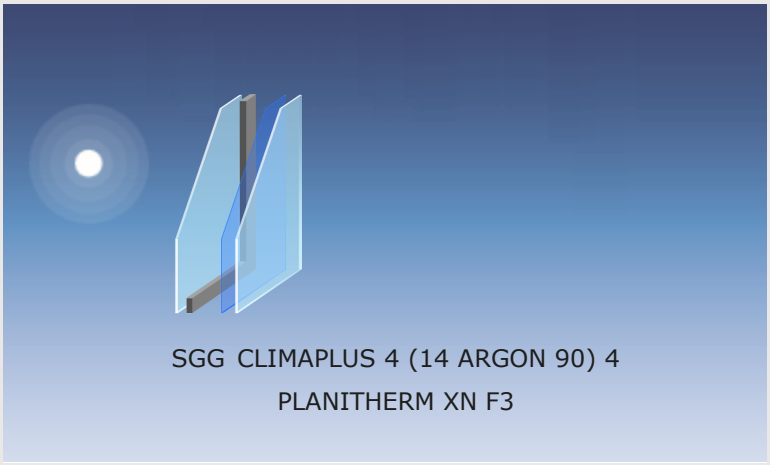
Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD



SGG CLIMAPLUS 4 (14 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	14 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 22 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.15 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	22.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD

SGG CLIMAPLUS 4 (15 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	15 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 23 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.12 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	23.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD

These values are calculated according to EN410 (2011-04) and EN673-2011 standards, the international standard ISO 9050, the Japanese standard JIS R 3106/3107, the Korean standard KS L 2514/2525 and the NFRC-2010 standards. For European norms, tolerances are defined according to EN1096-4 standard. Nevertheless, user must check the feasibility of the combination of glazing, particularly in terms of thickness and color. Furthermore, it is the user's responsibility to check that the resulting combination of glazing meets regulatory requirements at national, local or regional level. Computed values standards are indicative. Please use NFRC certified software for certified values. Calculation rules for EN410 (2011-04), EN673-2011, ISO 9050 (2003) m1.5 and ISO 9050 (1990) m1.0 standards and functional output of Calumen Live use Calumen 1.2.4 calculation engine, and have been validated by TUV Rheinland Quality Report 11923R-11-33705. Sg Values are calculated according to the French thermal regulation 2012 (RT2012). Acoustic indexes are representative of performances tested in laboratory conditions of a glazing of size 1.23x1.48m (EN ISO 10140-3 and EN 12758). In situ measurements may differ depending on the glazing size, environment, quality of the window frame, of the installation, source of noise, etc. The accuracy of the given indexes is in the range +/- 1dB (EN 12758).All glazing images are illustrative.

SGG CLIMAPLUS 4 (16 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	16 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 24 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.12 W/(m^2 .K)
0^o related to vertical position	

MANUFACTURING SIZES

Nominal Thickness	24.00 mm
Weight	20 kg/m^2

ACOUSTICS — EN 12758

Rw(C;Ctr)	31.0000 (-1; -4) dB

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

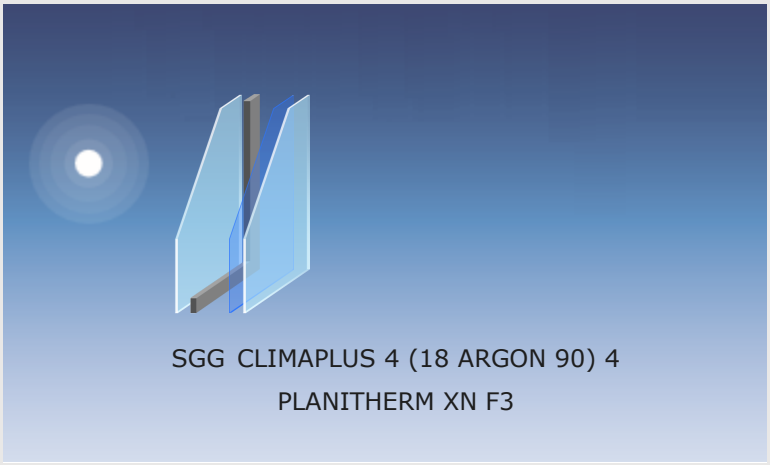
COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD

These values are calculated according to EN410 (2011-04) and EN673-2011 standards, the international standard ISO 9050, the Japanese standard JIS R 3106/3107, the Korean standard KS L 2514/2525 and the NFRC-2010 standards. For European norms, tolerances are defined according to EN1096-4 standard. Nevertheless, user must check the feasibility of the combination of glazing, particularly in terms of thickness and color. Furthermore, it is the user's responsibility to check that the resulting combination of glazing meets regulatory requirements at national, local or regional level. Computed values standards are indicative. Please use NFRC certified software for certified values. Calculation rules for EN410 (2011-04), EN673-2011, ISO 9050 (2003) m1.5 and ISO 9050 (1990) m1.0 standards and functional output of Calumen Live use Calumen 1.2.4 calculation engine, and have been validated by TUV Rheinland Quality Report 11923R-11-33705. Sg Values are calculated according to the French thermal regulation 2012 (RT2012). Acoustic indexes are representative of performances tested in laboratory conditions of a glazing of size 1.23x1.48m (EN ISO 10140-3 and EN 12758). In situ measurements may differ depending on the glazing size, environment, quality of the window frame, of the installation, source of noise, etc. The accuracy of the given indexes is in the range +/- 1dB (EN 12758).All glazing images are illustrative.



SGG CLIMAPLUS 4 (18 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	18 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 26 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.14 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	26.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

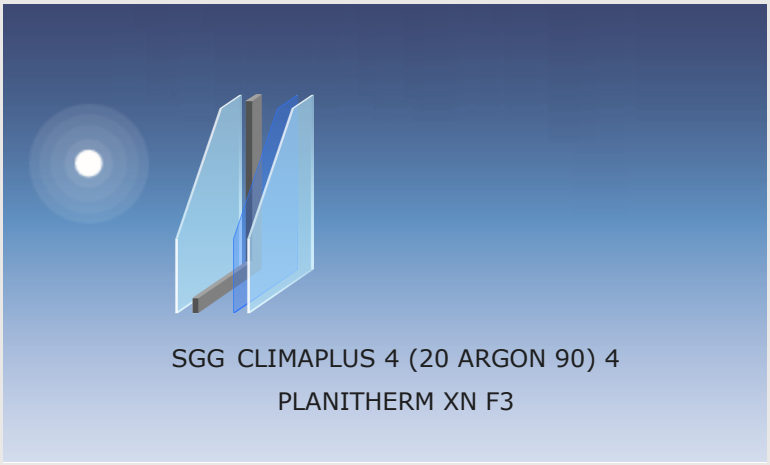
Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD



SGG CLIMAPLUS 4 (20 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	20 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 28 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.15 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	28.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

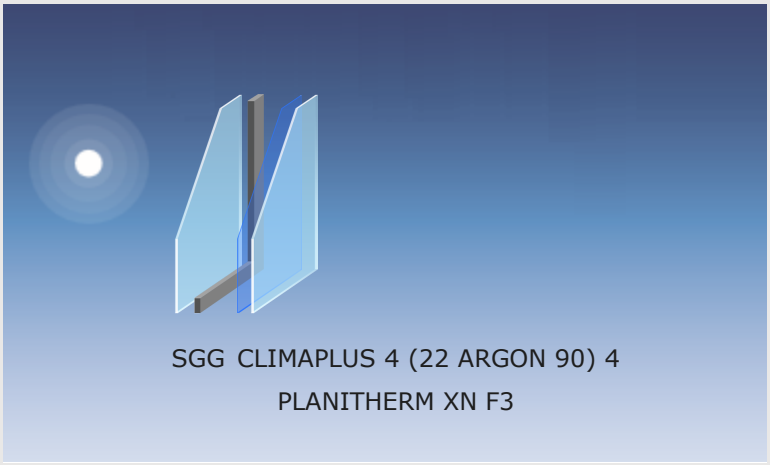
COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD

These values are calculated according to EN410 (2011-04) and EN673-2011 standards, the international standard ISO 9050, the Japanese standard JIS R 3106/3107, the Korean standard KS L 2514/2525 and the NFRC-2010 standards. For European norms, tolerances are defined according to EN1096-4 standard. Nevertheless, user must check the feasibility of the combination of glazing, particularly in terms of thickness and color. Furthermore, it is the user's responsibility to check that the resulting combination of glazing meets regulatory requirements at national, local or regional level. Computed values standards are indicative. Please use NFRC certified software for certified values. Calculation rules for EN410 (2011-04), EN673-2011, ISO 9050 (2003) m1.5 and ISO 9050 (1990) m1.0 standards and functional output of Calumen Live use Calumen 1.2.4 calculation engine, and have been validated by TUV Rheinland Quality Report 11923R-11-33705. Sg Values are calculated according to the French thermal regulation 2012 (RT2012). Acoustic indexes are representative of performances tested in laboratory conditions of a glazing of size 1.23x1.48m (EN ISO 10140-3 and EN 12758). In situ measurements may differ depending on the glazing size, environment, quality of the window frame, of the installation, source of noise, etc. The accuracy of the given indexes is in the range +/- 1dB (EN 12758).All glazing images are illustrative.



SGG CLIMAPLUS 4 (22 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	22 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 30 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.16 W/(m^2 .K)
0^o related to vertical position	

MANUFACTURING SIZES

Nominal Thickness	30.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

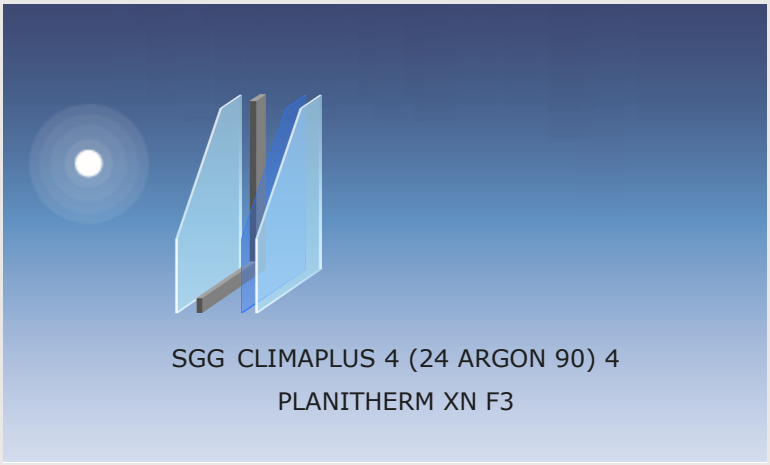
Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD



SGG CLIMAPLUS 4 (24 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	24 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 32 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.17 W/(m^2 .K)

0^o related to vertical position

MANUFACTURING SIZES

Nominal Thickness	32.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

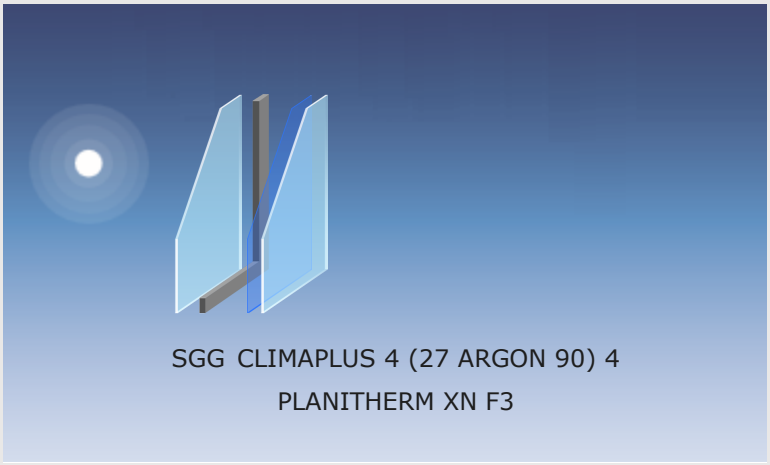
Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD



SGG CLIMAPLUS 4 (27 ARGON 90) 4
PLANITHERM XN F3

Pane 1	PLANICLEAR 4 mm
Cavity 1	27 ARGON 90%
Coating 3	PLANITHERM XN
Pane 2	PLANICLEAR 4 mm

Name : Interglas ApS
Country : Denmark

Notes: 35 mm total tykkelse

LUMINOUS FACTORS — EN410 (2011-04)

Light Transmittance (TL)	82%
Outdoor Reflectance (RLe)	11%
Indoor Reflectance (RLi)	12%

THERMAL TRANSMISSION — EN673-2011

Ug	1.18 W/(m^2 .K)
0^o related to vertical position	

MANUFACTURING SIZES

Nominal Thickness	35.00 mm
Weight	20 kg/m^2

UV FACTORS — EN410 (2011-04)

TUV	43%

SAFETY CLASS — EN 12600

Pendulum Body Resistance	NPD

ENERGY FACTORS — EN410 (2011-04)

Transmittance (TE)	60%
Outdoor Reflectance (Ree)	27%
Indoor Reflectance (REi)	27%
Absorptance A1(AE1)	7%
Absorptance A2	7%
Absorptance A3	

SOLAR FACTORS — EN410 (2011-04)

Solar Factor (g)	65%
Shading Coefficient (SC)	0.75

COLOR RENDERING

Ra Light Transmittance	98
Ra Outdoor Reflectance	97

ANTI-BURGLARY — EN356

Burglar Resistance	NPD