



Your Dreams, Our Challenge

COATINGS: PERFORMANCES
AND AVAILABILITIES

Solar control
& thermal insulation



STOPRAY - IPASOL — SOFT-COATED GLASS COMBINING SOLAR CONTROL AND LOW EMISSIVITY

Double glazing 6-16-4 (with 90% Argon)													
	Coating Position	Colour	EN 410 (2011)						EN 673	Temperable/ Bendable	Cut size	Edge deletion	Shelf life
			LT (%)	SF (%)	LR ext (%)	LR int (%)	EA (%)	SC	U _g value W/(m².K) ⁽¹⁾				
Stopray Ultra-70 on Clearvision ⁽⁴⁾	#2	Neutral	70	33	10	11	25	0,38	1.0	No	Yes	Yes	3 months
Stopray Ultraselect 60/27	#2	Neutral	60	27	11	15	39	0,31	1.0	No	Yes	Yes	3 months
Stopray Ultra-60	#2	Neutral	60	28	13	14	38	0,32	1.0	No	No	Yes	3 months
Stopray Ultra-50 on Clearvision ⁽⁴⁾	#2	Neutral	50	23	18	14	32	0,26	1.0	No	No	Yes	3 months
Stopray Vision-70 & Vision-70T ⁽²⁾	#2	Neutral	70	35	14	15	26	0,40	1.0	T vers.	No	Yes	3 months
Stopray Vision-62 & Vision-62T ⁽²⁾	#2	Neutral	61	33	15	13	33	0,38	1.0	T Vers.	Yes	Yes	3 months
Stopray Neutral 60/33 & Neutral 60/33T ⁽²⁾	#2	Neutral	60	33	13	11	34	0,38	1.0	T Vers.	No	Yes	3 months
Stopray Vision-52 & Vision-52T ⁽²⁾	#2	Neutral	51	27	16	13	38	0,31	1.0	T Vers.	Yes	Yes	3 months
Stopray Neutral 50/27 & Neutral 50/27T ⁽²⁾	#2	Neutral	50	27	13	11	42	0,31	1.0	T Vers.	No	Yes	3 months
Stopray Vision-40 & Vision-40T ⁽²⁾	#2	Neutral	40	21	19	15	39	0,24	1.0	T Vers.	Yes	Yes	3 months
Stopray SilverFlex	#2	Neutral	44	27	48	46	22	0,31	1.0	Yes	No	Yes	3 months
Stopray Titanium 34T ⁽²⁾	#2	Grey	34	21	6	13	68	0,24	1.0	Yes	No	Yes	3 months
ipasol neutral 70/37	#2	Neutral	70	37	12	15	29	0,43	1.0	No	Yes	Yes	3 months
ipasol platin 47/29	#2	Silver	47	29	40	30	26	0,33	1.0	No	Yes	Yes	3 months
ipasol platin 25/17	#2	Silver	25	17	61	33	24	0,20	1.0	No	Yes	Yes	3 months
Stopray Smart 51/33	#2	Neutral	51	34	26	18	31	0,39	1.1	Yes	No	No ⁽³⁾	9 months
Stopray Smart 30/20	#2	Neutral bluish	30	21	29	15	47	0,24	1.1	Yes	No	No ⁽³⁾	9 months

Double glazing 6-16-4 (iplus 1.0 in #3 - with 90% Argon)													
	Coating Position	Colour	EN 410 (2011)						EN 673	Temperable/ Bendable	Cut size	Edge deletion	Shelf life
			LT (%)	SF (%)	LR ext (%)	LR int (%)	EA (%)	SC	U _g value W/(m².K) ⁽¹⁾				
ipasol bright neutral	#2	Neutral	55	44	37	36	19	0,51	1.0	Yes	Yes	No	3 months
ipasol bright white	#2	Neutral	56	45	38	36	12	0,52	1.0	Yes	Yes	No	3 months

Triple glazing 6-16-4-16-4 (coating in #2 - Clearvision - iplus 1.1 in #5 - with 90% Argon)													
	Coating Position	Colour	EN 410 (2011)						EN 673	Temperable/ Bendable	Cut size	Edge deletion	Shelf life
			LT (%)	SF (%)	LR ext (%)	LR int (%)	EA (%)	SC	U _g value W/(m².K)				
Stopray Ultra-70 on Clearvision	#2	Neutral	63	31	12	15	28	0,36	0.5	No	Yes	Yes	3 months
Stopray Ultraselect 60/27	#2	Neutral	55	25	13	18	40	0,29	0,5	No	Yes	Yes	3 months
Stopray Ultra-60	#2	Neutral	55	26	14	18	39	0,30	0.5	No	No	Yes	3 months
Stopray Ultra-50 on Clearvision	#2	Neutral	45	21	19	17	35	0,24	0.5	No	Yes	Yes	3 months
Stopray Vision-70 & Vision-70T ⁽²⁾	#2	Neutral	65	33	17	18	28	0,38	0.5	T Vers.	No	Yes	3 months
Stopray Vision-62 & Vision-62T ⁽²⁾	#2	Neutral	56	31	17	17	35	0,36	0.5	T Vers.	Yes	Yes	3 months
Stopray Neutral 60/33 & Neutral 60/33T ⁽²⁾	#2	Neutral	55	31	15	15	36	0,36	0.5	T Vers.	No	Yes	3 months
Stopray Vision-52 & Vision-52T ⁽²⁾	#2	Neutral	47	25	18	16	40	0,29	0.5	T Vers.	Yes	Yes	3 months
Stopray Neutral 50/27 & Neutral 50/27T ⁽²⁾	#2	Neutral	46	25	14	14	44	0,29	0.5	T Vers.	No	Yes	3 months
Stopray Vision-40 & Vision-40T ⁽²⁾	#2	Neutral	37	19	20	18	41	0,22	0.5	T Vers.	Yes	Yes	3 months
Stopray SilverFlex	#2	Neutral	41	25	49	45	23	0,29	0.5	Yes	No	Yes	3 months
ipasol neutral 70/37	#2	Neutral	64	35	15	18	32	0,40	0.5	No	Yes	Yes	3 months
ipasol platin 47/29	#2	Silver	43	27	41	31	28	0,31	0.5	No	Yes	Yes	3 months
ipasol platin 25/17	#2	Silver	23	16	61	34	25	0,18	0.5	No	Yes	Yes	3 months

⁽¹⁾ Identical values for a 15 or 16 mm spacer.

⁽²⁾ This coating must be heat-treated to reach its final performances and aesthetics. It can not be used annealed.

⁽³⁾ Please follow the processing instructions in the "Stopray Smart Processing Guide" and in the "Stopray Smart Sealant Compatibility Guide".

⁽⁴⁾ Inner pane Planibel Clearvision.

* Stopray, Energy and iplus coatings on Planibel Clearlite are also available on Low-Carbon Planibel Clearlite.

ENERGY — SOFT-COATED GLASS COMBINING SOLAR CONTROL AND LOW EMISSIVITY



Double glazing 6-16-4 (with 90% Argon)													
	Coating Position	Colour	EN 410 (2011)						EN 673	Temperable/ Bendable	Cut size	Edge deletion	Shelf life
			LT (%)	SF (%)	LR ext (%)	LR int (%)	EA (%)	SC	U _g value W/(m².K) ⁽¹⁾				
Energy 72/38 & Energy 72/38T ⁽²⁾	#2	Neutral	72	38	13	14	27	0,44	1.0	T Vers.	Yes	Yes	3 months
Energy 65/42 S ⁽³⁾	#2	Neutral	65	42	26	24	21	0,48	1.0	Yes	No	Yes	3 months
Energy 65/41	#2	Neutral	65	41	25	24	21	0,47	1.0	No	No	Yes	3 months
Energy 72/38-AF ⁽⁴⁾	#1 #2	Neutral	66	35	16	16	36	0,40	1.0	No	Yes	Yes	3 months
Triple glazing 6-16-4-16-4 (coating in #2 - Clearvision - iplus 1.1 in #5 - with 90% Argon)													
Energy 72/38 & Energy 72/38T ⁽²⁾	#2	Neutral	66	36	16	18	29	0,41	0.5	T Vers.	Yes	Yes	3 months
Energy 65/42 S ⁽³⁾	#2	Neutral	60	38	28	26	25	0,44	0,5	Yes	No	Yes	3 months
Energy 65/41	#2	Neutral	60	38	27	26	24	0,44	0.5	No	No	Yes	3 months

⁽¹⁾ Identical values for a 15 or 16 mm spacer.

⁽²⁾ This coating must be heat-treated to reach its final performances and aesthetics. It can not be used annealed.

⁽³⁾ Single stock product: it can be used for both annealed and heat-treated glass applications, while offering similar aesthetics and performances.

⁽⁴⁾ AF: Anti-fog coating.

* Stopray, Energy and iplus coatings on Planibel Clearlite are also available on Low-Carbon Planibel Clearlite.

SUNERGY — NEUTRAL HARD-COATED GLASS OFFERING SOLAR PROTECTION AND GOOD THERMAL INSULATION

Double glazing 6-16-4 (iplus 1.0 in #3 - with 90% Argon)													
	Coating Position	Colour	EN 410 (2011)						EN 673	Temperable/ Bendable	Cut size	Edge deletion	Shelf life
			LT (%)	SF (%)	LR ext (%)	LR int (%)	EA (%)	SC	U _g value W/(m².K) ⁽¹⁾				
Sunergy Clear	#2	Neutral	59	41	13	18	48	0,47	1.0	Yes	No	No	Unlimited
Sunergy Grey	#2	Grey	28	23	6	17	74	0,26	1.0	Yes	No	No	Unlimited

STOPSOL — REFLECTIVE COATED GLASS PROVIDING SOLAR CONTROL

Double glazing 6-16-4 (iplus 1.0 in #3 - with 90% Argon)													
	Coating Position	Colour	EN 410 (2011)						EN 673	Temperable/ Bendable	Cut size	Edge deletion	Shelf life
			LT (%)	SF (%)	LR ext (%)	LR int (%)	EA (%)	SC	U _g value W/(m².K) ⁽¹⁾				
Stopsol Classic Clear	#2	Neutral	34	30	28	34	39	0,34	1.0	Yes	No	No	Unlimited
Stopsol Classic Grey	#2	Grey	16	17	10	34	74	0,20	1.0	Yes	No	No	Unlimited
Stopsol Classic Green	#2	Green	27	19	20	34	73	0,22	1.0	Yes	No	No	Unlimited
Stopsol Classic Bronze	#2	Bronze	19	19	12	34	69	0,22	1.0	Yes	No	No	Unlimited
Stopsol Supersilver Clear	#2	Neutral	54	42	37	36	20	0,48	1.0	Yes	No	No	Unlimited
Stopsol Supersilver Grey	#2	Grey	26	24	12	35	66	0,28	1.0	Yes	No	No	Unlimited
Stopsol Supersilver Green	#2	Green	44	27	27	36	61	0,31	1.0	Yes	No	No	Unlimited
Stopsol Supersilver Dark Blue	#2	Dark blue	35	24	18	35	66	0,28	1.0	Yes	No	No	Unlimited
Stopsol SilverLight PrivaBlue	#2	Intense blue	24	16	9	28	81	0,18	1.0	Yes	No	No	Unlimited

IPLUS / PLANIBEL LOW-E — THERMAL INSULATION, NEUTRAL AESTHETICS AND HIGH LIGHT TRANSMISSION



Double glazing 4-16-4 (with 90% Argon)													
	Coating Position	Colour	EN 410 (2011)						EN 673	Temperable/ Bendable	Cut size	Edge deletion	Shelf life
			LT (%)	SF (%)	LR ext (%)	LR int (%)	EA (%)	SC	U _g value W/(m².K) ⁽¹⁾				
iplus 1.1	#3	Neutral	82	64	12	12	15	0,74	1.1	No	Yes	Yes	3 months
iplus 1.1T ⁽²⁾	#3	Neutral	82	66	12	12	14	0,76	1.1	Yes	No	Yes	3 months
iplus 1.0	#3	Neutral	77	57	15	16	16	0,66	1.0	No	No	Yes	3 months
iplus 1.0T ⁽²⁾	#3	Neutral	81	62	13	14	13	0,71	1.0	Yes	No	Yes	3 months
iplus 1.1-AF ⁽³⁾	#1 #2	Neutral	75	55	15	14	24	0,63	1.1	No	Yes	Yes	3 months
Planibel A	#3	Neutral	73	75	17	15	22	0,86	1.4	Yes	No	No	Unlimited
Planibel G & Planibel G fasT	#3	Neutral	75	76	17	16	19	0,87	1.5	Yes	No	No	Unlimited
Planibel AS	#3	Neutral	82	72	12	12	13	0,83	1.2	Yes	No	Yes	3 months
Triple glazing 4-16-4-16-4 (Low-e in #2 - Clearvision - Low-e in #5 - with 90% Argon)													
	Coating Position	Colour	EN 410 (2011)						EN 673	Temperable/ Bendable	Cut size	Edge deletion	Shelf life
			LT (%)	SF (%)	LR ext (%)	LR int (%)	EA (%)	SC	U _g value W/(m².K)				
iplus 1.1	#2 #5	Neutral	75	53	15	15	21	0,61	0.6	No	Yes	Yes	3 months
iplus 1.0	#2 #5	Neutral	66	43	22	22	22	0,49	0.5	No	No	Yes	3 months
iplus 1.1-AF ⁽³⁾	#1 #2 #5	Neutral	69	49	18	17	29	0,55	0.6	No	Yes	Yes	3 months
iplus LS	#2 #5	Neutral	75	61	17	17	19	0,70	0.7	No	No	Yes	3 months

⁽¹⁾ Identical values for a 15 or 16 mm spacer.

⁽²⁾ This coating must be heat-treated to reach its final performances and aesthetics. It can not be used annealed.

⁽³⁾ AF: Anti-fog coating.

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STANDARD PRODUCTS — THIS TABLE PROVIDES YOU WITH INFORMATION REGARDING PRODUCT AVAILABILITY AND DELIVERY TIMES

Thickness	4 mm	6 mm	8 mm	10 mm	44.2	66.2
Stopray Ultra-70 on Clearvision		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopray Ultraselect 60/27						
Stopray Ultra-60		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopray Ultra-60 on Clearvision						
Stopray Ultra-50 on Clearvision		CE - DACH - IB - IT - NW				
Stopray Vision-70		CE - DACH - IB - IT - NW			IT	
Stopray Vision-70 on Clearvision						
Stopray Vision-70T		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	IT		
Stopray Vision-70T on Clearvision						
Stopray Vision-62		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopray Vision-62 on Clearvision						
Stopray Vision-62T		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	IT		
Stopray Vision-62T on Clearvision						
Stopray Neutral 60/33		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopray Neutral 60/33 on Clearvision						
Stopray Neutral 60/33T		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopray Neutral 60/33T on Clearvision						
Stopray Vision-52		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopray Vision-52 on Clearvision						
Stopray Vision-52T		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW		
Stopray Vision-52T on Clearvision						
Stopray Neutral 50/27		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopray Neutral 50/27 on Clearvision						
Stopray Neutral 50/27T		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW		
Stopray Neutral 50/27T on Clearvision						
Stopray Vision-40						
Stopray Vision-40T						
Stopray Vision-40T on Clearvision						
Stopray SilverFlex						
Stopray Titanium-34T						
ipasol neutral 70/37	NW	CE - DACH - IB - IT - NW				
ipasol platin 49/27						
ipaso platin 25/17						
Stopray Smart 51/33	IB - IT - NW	IB - IT - NW	IT - NW			
Stopray Smart 30/20		CE - DACH - IB - IT - NW	IT - NW	CE - DACH - IB - IT - NW		
ipasol bright neutral						
ipasol bright white						
Sunergy Clear		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW		
Sunergy Grey		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopsol Classic Clear	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW		CE - DACH - IB - IT - NW	
Stopsol Classic Grey	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW				
Stopsol Classic Green	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW				
Stopsol Classic Bronze	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			IT - NW	
Stopsol Supersilver Clear	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	
Stopsol Supersilver Grey		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopsol Supersilver Green			CE - DACH - IB - IT - NW			
Stopsol Supersilver Dark Blue		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Stopsol SilverLight Priva Blue		CE - DACH - IB - IT - NW				
Energy 72/38	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW
Energy 72/38 on Clearvision						
Energy 72/38T		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Energy 72/38T on Clearvision						
Energy 65/41	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW				
Energy 65/42S	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW				
Planibel Anti-Fog	CE - DACH - IB - IT - NW	NW			NW	
iplus 1.1-AF						
Energy 72/38-AF						

 **Standard (in stock) in the indicated region**
Otherwise On Production and available for all other regions

 **On Production**

 **On Request**

 **Other**

Regions: **IT** = Italy **CE** = Central Europe **IB** = Spain and Portugal **DACH** = Germany, Denmark, Austria and Switzerland **FI** = Finland
NW = Belgium, The Netherlands, Luxembourg, France, Sweden, Norway, UK, Overseas

Type	Abbreviation	Lead Time ¹	Minimum Quantity
Standard	Marked ST1 in the Product Catalogue	≤ 1 week ex works	1 pack
On Production	Marked STX in the Product Catalogue	≤ 5 weeks ex works	1 pack
On Request	Marked OR in the Product Catalogue	Please contact your Customer Care Centre	4 packs, or else €1.000 surcharge
Other	All other products	Please contact your Customer Care Centre	Please contact your Customer Care Centre

¹ The reported delivery times are AGC's best estimate and can not be considered as a binding timing.



The values included in this table give a general overview of product availability and delivery time.
For precise information on availability per size or in your region please refer to AGC's Product Catalogue on www.agc-yourglass.com.

BRING YOUR VISION TO LIFE WITH AGC SERVICES

AGC is your one-stop-shop to create the aesthetically and technically perfect solution: research, consultancy, technical advice, production and logistics. We support every stage of your project with our dedicated teams, expert services and online tools.

**EXPERT ADVICE**

- International Building Projects (IBP) team
- Technical Advisory Support (TAS) team
- AGC Processing Certification

**PRODUCT INSIGHT**

- Product brochures and leaflets
- Technical documentation
- Technical data sheets
- Warranty documents

**ONLINE TOOLS**

- Product website: agc-yourglass.com
- Glass Configurator
- Product Catalogue
- Project References App
- Architectural Glass Visualiser
- Project virtualization
- Building Information Modeling (BIM)

**SUSTAINABILITY PRACTICES**

- Life Cycle Analysis
- Cradle to Cradle Certification
- LEED, BREEAM and HQE performance targets support

**SAMPLES AND MOCK-UP**

- Demo-samples
- Mock-up services

**CUSTOMIZATION**

- XL glass sizes (> 7 m)
- Tailor-Made Sizes (TMS)
- Coating on Demand
- Energy-generating spandrel matchable with vision glass