



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
ipascal ultraselect 62/29 on Clearvision ⁽⁴⁾	#2	Neutral	64	30	10	11	26	0,34	1.0	No	Yes	Yes	3 months
Stopray Ultra-60 on Clearvision ⁽⁴⁾	#2	Neutral	62	29	13	15	26	0,33	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-72 & Vision-72T ⁽²⁾	#2	Neutral	72	38	13	14	26	0,44	1.0	T Vers.	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.	No	Yes	3 months
Stopray Vision-52 & Vision-52T ⁽²⁾	#2	Neutral	51	27	16	13	38	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.	No	Yes	3 months
Stopray Vision-60	#2	Neutral	61	35	15	18	37	0,40	1.0	No	Yes	Yes	3 months
Stopray Vision-60T ⁽²⁾	#2	Neutral	60	37	14	20	37	0,43	1.0	Yes	No	Yes	3 months
Stopray Vision-50	#2	Neutral	50	28	19	22	42	0,32	1.0	No	Yes	Yes	3 months
Stopray Vision-50T ⁽²⁾	#2	Neutral	50	30	17	22	40	0,34	1.0	Yes	No	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
ipascal light grey 60/33	#2	Neutral	60	33	10	11	36	0,38	1.0	No	Yes	Yes	3 months
ipascal neutral 70/37	#2	Neutral	70	37	12	15	29	0,43	1.0	No	Yes	Yes	3 months
ipascal neutral 50/27	#2	Neutral	50	27	8	11	50	0,31	1.1	No	Yes	Yes	3 months
ipascal platin 47/29	#2	Silver	47	29	40	30	26	0,33	1.0	No	Yes	Yes	3 months
ipascal shine 40/22	#2	Blue	40	22	16	12	53	0,25	1.1	No	Yes	Yes	3 months
ipascal 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⁾				
ipascal bright neutral	#2	Neutral	55	44	37	36	19	0,51	1.0	Yes	Yes	No	3 months
ipascal bright white	#2	Neutral	56	45	38	36	12	0,52	1.0	Yes	Yes	No	3 months

Triple glazing 6-14-4-14-4 (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	13	15	28	0,36	0.6	No	Yes	Yes	3 months
ipascal ultraselect 62/29 on Clearvision	#2	Neutral	58	28	12	15	29	0,32	0.6	No	Yes	Yes	3 months
Stopray Ultra-60 on Clearvision	#2	Neutral	57	27	15	18	28	0,31	0.6	No	No	Yes	3 months
Stopray Ultra-50 on Clearvision	#2	Neutral	45	21	20	17	35	0,24	0.6	No	Yes	Yes	3 months
Stopray Vision-72 & Vision-72T ⁽²⁾	#2	Neutral	66	35	16	18	29	0,40	0.6	T Vers.	No	Yes	3 months
Stopray Vision-70 & Vision-70T ⁽²⁾	#2	Neutral	65	33	17	18	28	0,38	0.6	T Vers.	No	Yes	3 months
Stopray Vision-62 & Vision-62T ⁽²⁾	#2	Neutral	56	31	17	17	35	0,36	0.6	T Vers.	No	Yes	3 months
Stopray Vision-52 & Vision-52T ⁽²⁾	#2	Neutral	47	25	18	16	40	0,29	0.6	T Vers.	No	Yes	3 months
Stopray Vision-40 & Vision-40T ⁽²⁾	#2	Neutral	37	19	20	18	41	0,22	0.6	T Vers.	No	Yes	3 months
Stopray Vision-60T ⁽²⁾	#2	Neutral	55	34	16	23	40	0,39	0.6	Yes	No	Yes	3 months
Stopray Vision-60	#2	Neutral	56	32	17	21	39	0,37	0.6	No	Yes	Yes	3 months
Stopray Vision-50T ⁽²⁾	#2	Neutral	46	28	19	24	41	0,32	0.6	Yes	No	Yes	3 months
Stopray Vision-50	#2	Neutral	46	26	20	24	44	0,30	0.6	No	Yes	Yes	3 months
Stopray SilverFlex	#2	Neutral	41	25	49	45	23	0,29	0.6	Yes	No	Yes	3 months
ipascal light grey 60/33	#2	Neutral	55	31	12	15	38	0,36	0.6	No	Yes	Yes	3 months
ipascal neutral 70/37	#2	Neutral	65	35	15	18	31	0,40	0.6	No	Yes	Yes	3 months
ipascal neutral 50/27	#2	Neutral	46	25	10	15	52	0,29	0.6	No	Yes	Yes	3 months
ipascal platin 47/29	#2	Silver	44	27	42	31	28	0,31	0.6	No	Yes	Yes	3 months
ipascal shine 40/22	#2	Blue	37	20	17	15	54	0,23	0.6	No	Yes	Yes	3 months
ipascal platin 25/17	#2	Silver	23	16	61	34	25	0,18	0.6	No	Yes	Yes	3 months

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

⁽²⁾ This coating must be tempered 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.

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 Azur	#2	Light blue	48	31	10	17	66	0,36	1.0	Yes	No	No	Unlimited
Sunergy Dark Blue	#2	Dark blue	38	25	8	17	73	0,29	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 4-15-4 (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	No	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	#1 #2	Neutral	75	55	15	15	24	0,63	1.1	No	No	Yes	3 months
Planibel A	#3	Neutral	73	75	17	15	22	0,86	1.3	Yes	No	No	Unlimited
Planibel G & Planibel G fast	#3	Neutral	75	76	17	16	18	0,87	1.5	Yes	No	No	Unlimited

Triple glazing 4-14-4-14-4 (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	16	16	20	0,61	0.6	No	No	Yes	3 months
iplus 1.0	#2 #5	Neutral	66	43	22	22	22	0,49	0.6	No	No	Yes	3 months
iplus 1.1-AF	#1 #2 #5	Neutral	69	48	18	18	29	0,55	0.6	No	No	Yes	3 months
iplus LS	#2 #5	Neutral	75	61	17	17	19	0,70	0.7	No	No	Yes	3 months

IPLUS / ENERGY SOLAR LOW-E — THERMAL INSULATION AND SOLAR CONTROL

Double glazing 4-15-4 (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 N	#2	Neutral	73	41	12	14	24	0,47	1.0	No	No	Yes	3 months
Energy NT ⁽²⁾	#2	Neutral	74	42	12	14	22	0,48	1.0	Yes	No	Yes	3 months
Energy Light	#2	Neutral	65	43	26	24	19	0,49	1.0	Yes	No	Yes	3 months
iplus Light	#2	Neutral	66	42	26	24	18	0,48	1.0	No	No	Yes	3 months
Energy N-AF	#1 #2	Neutral	68	38	15	16	33	0,44	1.0	No	No	Yes	3 months

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 (> 6 m) → Tailor-made "Coating on Demand" → Energy-generating spandrel matchable with vision glass

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			
ipasol ultraselect 62/29						
Stopray Ultra-60		CE - DACH - IB - IT - NW	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	CE - DACH - IB - IT - NW			
Stopray Vision-72		CE - DACH - IB - IT - NW				
Stopray Vision-72 on Clearvision						
Stopray Vision-72T		CE - IT - NW	CE - IT - NW	IT		
Stopray Vision-72T on Clearvision						
Stopray Vision-70		NW				
Stopray Vision-70 on Clearvision						
Stopray Vision-70T		NW	NW			
Stopray Vision-70T on Clearvision						
Stopray Vision-62		CE - DACH - IB - IT - NW				
Stopray Vision-62 on Clearvision						
Stopray Vision-62T		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW		
Stopray Vision-62T on Clearvision						
Stopray Vision-60T						
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		
Stopray Vision-52T on Clearvision						
Stopray Vision-50T						
Stopray Vision-40T						
Stopray Vision-40T on Clearvision						
Stopray SilverFlex						
Stopray Titanium 34T						
ipasol neutral 70/37	FI	FI - NW				
ipasol light grey 60/33						
ipasol neutral 50/27						
ipasol platin 49/27						
ipasol shine 40/22						
ipaso platin 25/17						
Stopray Smart 51/33	IB - IT	IB - IT - NW	IT			
Stopray Smart 30/20		CE - DACH - IB - IT - NW	IT			
ipasol bright neutral						
ipasol bright white						
Sunergy Clear	FI - NW	IB - IT - NW	NW			
Sunergy Azur		NW				
Sunergy Dark Blue						
Sunergy Grey		CE - NW	NW			
Stopsol Classic Clear	CE - DACH - IB - IT - NW	CE - DACH - FI - IB - IT - NW	CE - IB - IT - NW		NW	
Stopsol Classic Grey	CE - DACH - IT - NW	CE - IT - NW				
Stopsol Classic Green		NW				
Stopsol Classic Bronze	CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			NW	
Stopsol Supersilver Clear	CE - DACH - IB - IT - NW	CE - DACH - FI - IB - IT - NW	CE - DACH - IB - IT - NW	DACH - IB - NW	NW	
Stopsol Supersilver Grey		CE - DACH - IT - NW	DACH - IT - NW			
Stopsol Supersilver Green		NW	NW			
Stopsol Supersilver Dark Blue		CE - DACH - IT - NW	CE - NW			
Stopsol SilverLight Priva Blue		NW				
Energy N	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 N on Clearvision						
Energy NT		CE - DACH - IB - IT - NW	CE - DACH - IB - IT - NW			
Energy Light						
iplus Light	IT - NW	CE - IT - NW				
Planibel Anti-Fog	CE - FI - NW	CE - FI - NW				
iplus AF-1.1						

Stopray Vision-60, Vision-50, Vision-40 are On Request products.

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*	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

*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.