



**SP Glass**



SP Glass is the leading Russian company producing coated glass and insulated glass products. Integrated network of efficient and modern production facilities and access to advanced international coating technologies allows us to offer top-class products and service on competitive terms.

Strategic shareholders



**SP Glass**



Operating companies



SP Glass is an integrated architectural glass company that owns and operates advanced manufacturing facilities producing high-quality float glass, as well as insulated glass units, with advanced multilayered coatings.

SP Glass was established in 2012 by international strategic and financial investors through combining existing businesses into a well capitalised European holding corporate structure that allowed SP Glass to launch advanced coating facilities. At the shareholder level, EBRD and Rusnano joined NSG and Glasswall. At the operational level, it completed integration of upstream (Pilkington Russia) and downstream (STiS) glass businesses closely cooperating since 2009.

Since 2015, SP Glass is actively expanding its exports and presence in the market of international architectural projects, primarily with our double silver soft coated products.



**Fire station  
in Doetinchem,  
Netherlands**  
Pilkington Suncool™ 70/35  
Pro T

In each regional market we are identifying partners active in the architectural projects or glass processing business aiming to develop long term cooperation.

Suncool is our flagship versatile product range designed for commercial and residential architectural projects and representing best in class off-line coated, solar control and low-emissivity products. The leading coating technology by Pilkington has revolutionised the design of modern buildings enabling extensive use of glazing. With the growing use of glass in architecture, Suncool is helping to reduce capital outlays, running costs of air-conditioning and carbon emissions of a building.

The key differentiation of our product range is the unique combination of aesthetics applicable to a wide range of architectural challenges with top technical parameters (highest



**Export Destinations**

selectivity - double light versus solar energy transmission combined with low emissivity properties). Whenever there is a need for brighter and distinctive appearance, we are offering unique Suncool-R solutions. They combine the same technical performance with distinct colour enabled purely by coating (not by body tinted glass) thus avoiding any colour distortion when viewed from inside the building and achieving superior light transmission.

By now, SP Glass and its architectural projects sales team (Life Glass International) has established themselves as reliable and efficient suppliers at the European, Middle Eastern, Asian and Central American markets. Our strategic priority is to support our existing partners and achieve balanced growth of the export business with primary focus on the quality of our service and products.



**Registru Centras, Vilnius,  
Lithuania**  
Pilkington Suncool-R™ Blue  
50/25 Pro T



Pilkington Glass plant, which is located within 18 miles of Moscow is well known for production of top quality float glass.

Pilkington was an early entrant to the Russian market with the float line launched in 2006. During 2008 – 2009 market downturn, shareholders of STiS and Pilkington Glass started integration of their businesses to strengthen the market position and financial profile of both businesses.

In 2014, SP Glass launched an offline facility for the application of nano-coatings in the final stage of full-cycle production of multi-functional window glass. A state-of-the art

production line has annual capacity of over 10 million square meters per year.

Up to 24 functional layers can be applied at the coating facility depending upon required glass specification. The new coating line is one of the most advanced and productive in the world, with capability to produce a wide range of coated glasses and to switch rapidly between different products.

Today Pilkington Glass is a resilient integrated business continuously developing its product offering and expanding market presence in value added segments:

- Market share in Russia around 15%
- Quickly growing market share in high added value products on the back of advanced large-scale coater
- Daily deliveries to more than 100 locations in Russia and abroad (covering all continents)
- Recognized quality benchmark
- Preferred supplier of thick glass products
- Well established presence in Europe, Middle East and Central America







STiS originated from a regional glass trading business founded by Glasswall in the 90's. The company has taken advantage of real estate construction growth in Russia up to 2007 doubling its size every year through organic expansion driven by large scale production and distribution efficiency, consolidation among highly fragmented competition, as well as customer-oriented culture and innovative marketing.

The network of STiS production plants, which consists of 10 full-size factories with 30 assembly lines and 2 tempering furnaces produces and delivers products to over 30 regions of Russia.

Being the biggest producer of IG units in Russia and Eastern Europe, closely integrated with Pilkington glass production and SP Glass R&D division allows STiS to incorporate the latest technologies to produce revolutionary products and deliver them to the most distant consumers.

Today STiS is the undisputed leader in the Russian glass processing market:

- Federal market share over 15%, which STiS is building up despite the recent economic turbulence
- Leader in marketing and product development ([www.teplopaket.ru](http://www.teplopaket.ru))
- Over 2,000 customers – window-makers and facade companies
- Moscow market share over 25%
- 10 manufacturing facilities
- Processing up to 100,000 tones of float glass yearly
- 30 IGU production lines and 2 tempering furnaces
- Over 150 units in transportation fleet: jumbo to lift trucks
- Everyday supplies to 30 regions in Russia
- 1,100 employees



Pilkington  
**Suncool™**

The Pilkington Suncool™ is the flagship product range for SP Glass and comprises our Double Silver coated, solar control and low-emissivity glass products with top performance. Coating technology has revolutionized the design of modern buildings enabling extensive use of glazing which combines functionality with stunning aesthetics.

 Lifeglass™

Lifeglass is a magnetron-coated product letting maximum visible light and minimum solar heat inside the building. Unique Double Silver coating technologies achieve superior light transmission while effectively blocking the UV radiation and decreasing the heat loss through a window. Specially designed for residential buildings to provide exceptional aesthetic appeal, Lifeglass coating feature an excellent visible light transmittance and well-balanced solar factor value and 4 unique colours. Lifeglass coating is developed as a non-temperable product to increase its affordability for the residential window market.



**Business centre  
«Novatek», Moscow,  
Russia**  
Pilkington Suncool™ 70/40  
Pro T



**House,  
Oslo, Norway**  
Pilkington Suncool™ 70/35  
Pro T



**Hotel «Yes»,  
Moscow, Russia**  
Pilkington Suncool™ 66/33  
Pro T



**Office building,  
Saint Petersburg,  
Russia**  
Pilkington Suncool™ -R  
Blue 50/25 Pro T



**Business centre «Aeropark»,  
Poland**  
Pilkington Suncool™ 50/25  
Pro T



**Shop, Larvik,  
Norway**  
Pilkington Suncool™ 30/16  
Pro T

All Pilkington Pilkington Suncool™ products and Pilkington Optitherm™ S3 are available in 3, 4, 6, 8, 10 and 12 mm thicknesses in both annealed and temperable (Pro T) versions. Suncool-R Range is available only in temperable (Pro T) version. Life Glass is available in thicknesses 4mm and 6mm in non-temperable version only.

The following calculations are made for a double-glazing unit with 4 mm Pilkington Optifloat™ Clear inner pane and 16 mm argon filled cavity.

Format	Size, mm	Standard / special order
LES minus	2100x3210	Standard
LES	2250x3210	Standard
LES plus	2550x3210	Standard
LES other	2100x3210 - 2550x3210	Special order
Jumbo short	4500x3210	Standard
Jumbo minus	5100x3210	Standard
Jumbo	6000x3210	Standard
Jumbo other	4500x3210 - 6000x3210	Special order

	Product	Purpose	Colour	Light transmission %	Light reflectance %	Direct energy transmittance %	Energy reflectance %	Energy absorbance %	Solar factor %	Shading coefficient	U <sub>r</sub> -value (air-filled) W/m <sup>2</sup> K	U <sub>r</sub> -value (argon-filled) W/m <sup>2</sup> K
				LT	LR	ET	ER	EA	SF	SC	U <sub>g</sub> (air)	U <sub>g</sub> (argon)
				<b>Temperable (Pro T) and non-temperable versions available</b>								
	Pilkington Suncool™ 70/40 Pro T	Architectural	Neutral	71	10	40	28	33	43	0.49	1.4	1.1
	Pilkington Suncool™ 70/35 Pro T	Architectural	Neutral	70	16	35	35	30	37	0.43	1.3	1.0
	Pilkington Suncool™ 66/33 Pro T	Architectural	Neutral	66	16	33	32	34	36	0.41	1.3	1.0
	Pilkington Suncool™ 50/25 Pro T	Architectural	Neutral	50	19	25	31	44	27	0.31	1.3	1.0
	Pilkington Suncool™ 40/22 Pro T	Architectural	Grey	40	20	20	34	46	23	0.26	1.3	1.1
	Pilkington Suncool™ 30/16 Pro T	Architectural	Grey	30	27	16	37	47	18	0.21	1.3	1.1
	Pilkington Optitherm™ S3 Pro T	Architectural	Neutral	80	13	56	23	21	60	0.69	1.4	1.1
<b>Only temperable (Pro T) versions available</b>												
	Suncool™-R Blue 50/25 ProT	Architectural	Blue	47	27	26	36	38	28	0.32	1.3	1.0
	Suncool™-R Silver 50/27 ProT	Architectural	Silver	47	31	27	36	37	29	0.33	1.3	1.0
	Suncool™-R Bronze 45/25 ProT	Architectural	Bronze	43	24	23	38	38	26	0.30	1.3	1.0
	Suncool™-R Green 45/25 ProT	Architectural	Green	44	34	26	40	34	28	0.32	1.3	1.0
<b>Only non-temperable versions available</b>												
	Lifeglass™ Clear	Residential	Neutral	75	13	46	29	24	49	0.56	1.4	1.1
	Lifeglass™ Blue	Residential	Blue	68	20	35	40	25	37	0.43	1.3	1.1
	Lifeglass™ Bronze	Residential	Bronze	68	18	37	39	24	39	0.45	1.3	1.1
	Lifeglass™ Silver	Residential	Silver	56	32	30	44	26	32	0.37	1.3	1.1

Pilkington Suncool™, Pilkington Suncool™-R, Pilkington Optitherm™ values are calculated for the central area of the IG unit 6| - 16 Ar - 4 according to EN 410 and EN 673 standards. Lifeglass™ values are calculated for the central area of the IG unit 4| - 16 Ar - 4 according to EN 410 and EN 673 standards.

This publication provides only a general description of the products. It is the responsibility of the user to ensure that the use of these products is appropriate for any particular application and that such use complies with all relevant legislation, standards, code of practice and other requirements. To the fullest extent permitted by applicable laws, LLC «Pilkington Glass» disclaim all liability for any error in or omission from this publication and for all consequences of relying on it. Performances are subject to change without notice.

Energy-efficient glass and IG units produced by SP Glass factories possess extraordinary characteristics thanks to multilayer coatings. By applying special layers ranging in depth from 5 nanometers to 300 nanometers, a window becomes capable of retaining heat within a building and maintaining a comfortable environment inside when it is too warm outside.

In-house R&D division is consistently upgrading our product offerings. One of the most popular domestic products – Teplopaket DS – uses our double silver coated glass and the patented thermo separation system (TSS) consisting of the rigid plastic spacer with unique shape and hybrid polymer sealants. Together these elements enable IG units to achieve unmatched insulating and energy saving characteristic and lifespan of 50 years.



**Double and Triple glazing**



**Large dimensions**



**Complex shapes**



**High-performance glass**



**Laminated glass**



**Tempered glass**



**Decorating option**



**Argon filing**



**Spacer choice  
(aluminum, plastic, composite)**



**Sealant choice  
(regular black, TiO-based grey)**



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Life Glass

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