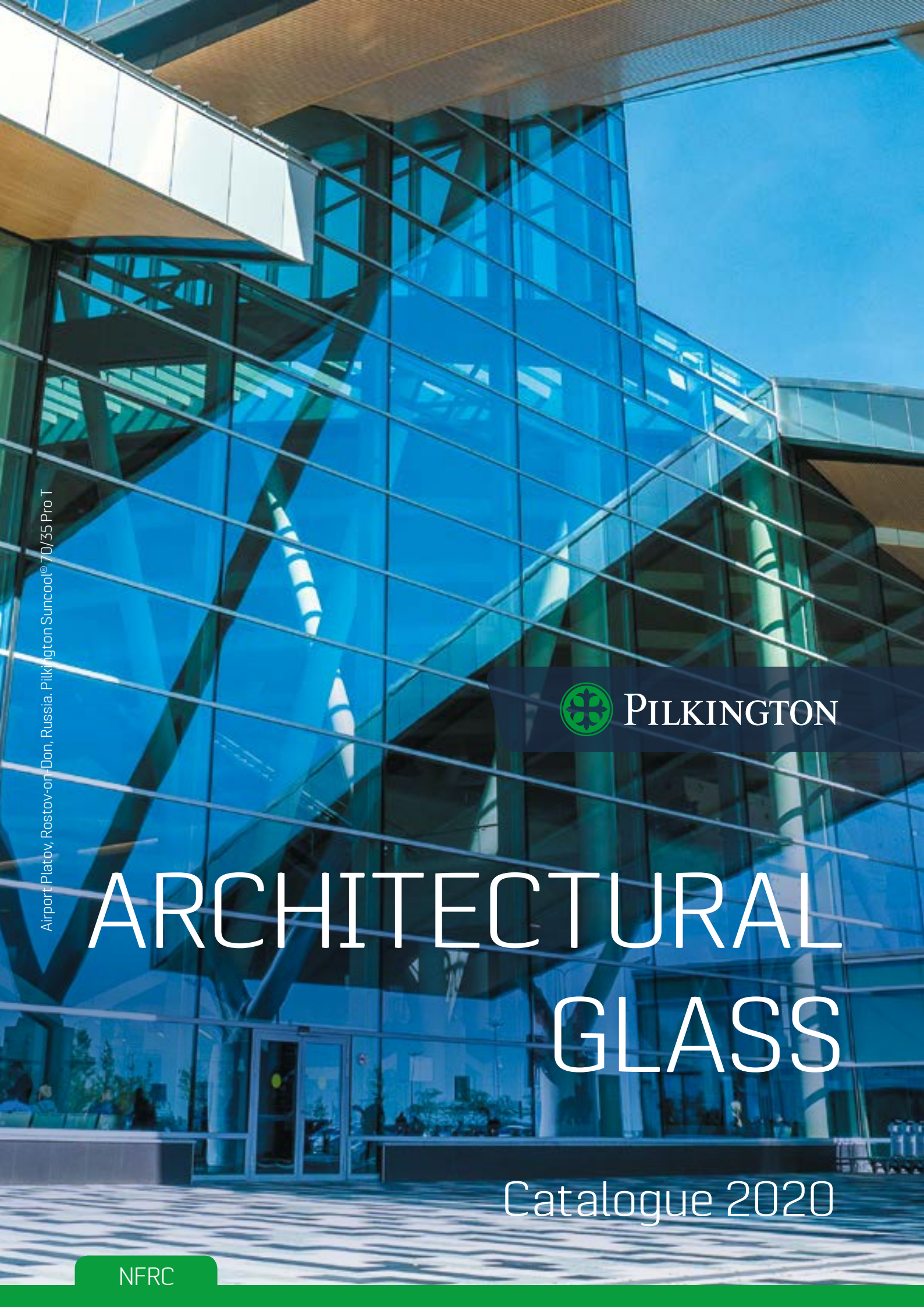


Airport Platov, Rostov-on-Don, Russia. Pilkington Suncool® 70/35 Pro T

PILKINGTON

ARCHITECTURAL GLASS

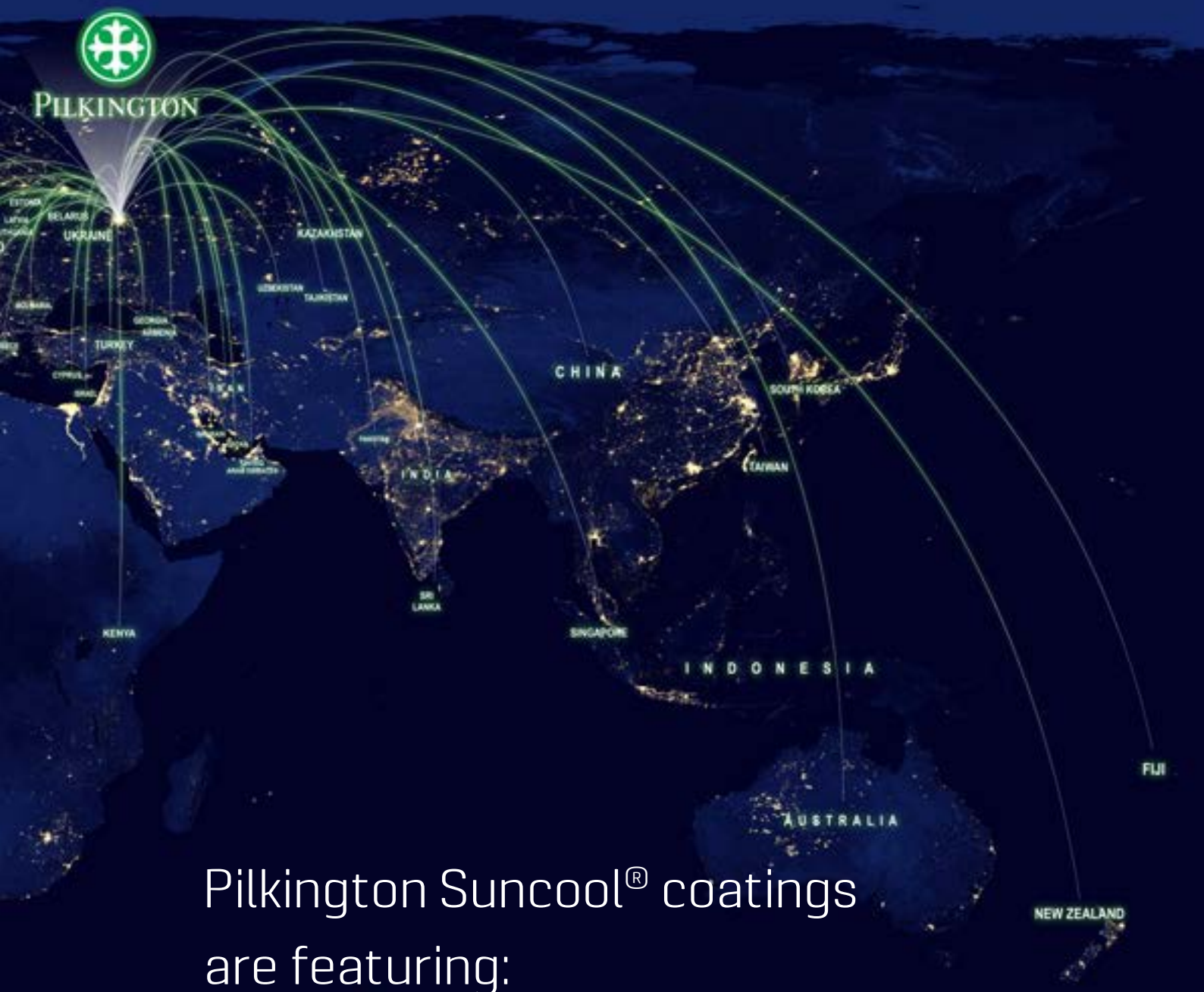
Catalogue 2020

NFRC

Pilkington Glass, being an acknowledged leader in the glass industry, is constantly perfecting its products. One of the most recent achievements of our company is Pillkington Suncool® glass series created by fine-tuning of the Double Silver® state-of-the-art technology.

Double Silver® is a sophisticated coating with two separate silver layers applied to the glass substrate. This technology allows to achieve extremely high values as to light transmittance, excellent energy saving and solar control properties along with maximizing selectivity.

Pillkington Suncool® series offers a wide range of products with various colours and performance values.



Pilkington Suncool® coatings are featuring:

- Wide range of appealing colour tints
- Maximum neutrality from inside
- Unique performance with light transmittance ranging from 30% to 71% and solar factor from 18% to 43%
- High selectivity
- Excellent energy saving properties

For more detailed information about characteristics and applications of Pilkington Suncool® products please see the Glass Processing Manual or address Pilkington technical service.

PILKINGTON

Metropolitan Business Center

Pilkington Optitherm® S3

Warsaw, Poland

Content

Residential Complex LINER

Pilkington Suncool® 70/40 Pro T

Moscow, Russia

Pilkington

Suncool® 70/40 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	70	10	11	34	39	0.45	1.34	1.43

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

NOVATEK Business Centre
Pilkington Suncool® 70/40 Pro T

Moscow, Russia

Pilkington Suncool® 70/40 Pro T combines maximum transparency with neutral colour and excellent solar control properties. Recommended for buildings requiring maximum natural light, e.g. residential houses.

Airport Platov

Pilkington Suncool® 70/35 Pro T

Rostov-on-Don, Russia

Pilkington

Suncool® 70/35 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	69	16	16	30	34	0.39	1.27	1.38

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

Pilkington Suncool® 70/35 Pro T represents the up-to-date supplement to the Suncool® products range with neutral tint and light reflectance close to the ordinary float glass. It features an outstanding selectivity due to a very low solar factor and high transparency.

Fort Tower Business Centre

Pilkington Suncool® 66/33 Pro T

Saint Petersburg, Russia

Pilkington

Suncool® 66/33 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	65	16	18	29	33	0.38	1.27	1.38

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

TRICOLOR TV Office
Pilkington Suncool® 66/33 Pro T

Saint Petersburg, Russia

Pilkington Suncool® 66/33 Pro T is a versatile architectural glass with high selectivity, which fits perfectly both commercial and residential buildings. Low outside reflectance, excellent solar factor and high light transmittance.

Windesheim University

Pilkington Suncool® 50/25 Pro T

Zwolle, Netherlands

Pilkington

Suncool® 50/25 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	49	19	22	21	25	0.28	1.27	1.38

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

Pilkington Suncool® 50/25 Pro T is a product with neutral colour tint and minimal solar heat gain. Excellent choice for floor-to-ceiling glazing when reduced power consumption of air-conditioning systems is a must. Due to high light transmittance, the inner spaces of the building gain lots of natural light.

Federation Tower, Moscow International Business Center

Pilkington Suncool®-R Blue 50/25 Pro T

Moscow, Russia

Pilkington
Suncool®-R Blue 50/25 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	46	29	17	22	27	0.31	1.27	1.38

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

Pilkington Suncool®-R Blue 50/25 Pro T features a shiny blue appearance. Due to the unique magnetron coating technology it lets in neutral light inside the building without any colour distorsion. High light transmittance and selectivity of this product allow to get a comfortable inner environment with a coloured exteriour.

Residential Complex Turgenev

Pilkington Suncool®-R Silver 50/27 Pro T

Krasnodar, Russia

Pilkington
Suncool®-R Silver 50/27 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	45	34	26	24	28	0.32	1.27	1.38

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

Pilkington Suncool®-R Silver 50/27 Pro T has a shiny silvery appearance with highly reflective exterior. Due to the unique magnetron coating technology it lets in neutral light inside the building without any tint. This product fits ideally projects where high illumination inside the building goes along with high reflection outside.

Pilkington
Suncool®-R Bronze 45/25 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	42	25	27	19	23	0.27	1.27	1.38

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

Pilkington Suncool®-R Bronze 45/25 Pro T features an appealing bronze colour from the outside. Due to the unique magnetron coating technology it lets in neutral light inside the building without any tint. Excellent solar control properties make this product an ideal solution for southern regions.

Pilkington
Suncool®-R Green 45/25 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	44	37	33	23	27	0.31	1.27	1.38

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

Pilkington Suncool®-R Green 45/25 Pro T has a highly reflective exterior with a shiny green tint. Due to the unique magnetron coating technology it lets in neutral light inside the building without colour distortions. It fits best facades which should both provide a lot of illumination inside the building and have a high external reflection.

M1 Arena

Pilkington Suncool® 40/22 Pro T

Saint Petersburg, Russia

Pilkington

Suncool® 40/22 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	39	20	22	17	22	0.25	1.30	1.40

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

Pilkington Suncool® 40/22 Pro T is an ideal solution in circumstances when maximum solar control has to be combined with transparency. Due to a very low solar factor this product fits well for the skylight glazing (e.g. atriums) reducing the total solar heat gain despite the intensive sunlight.

Business Centre Academy

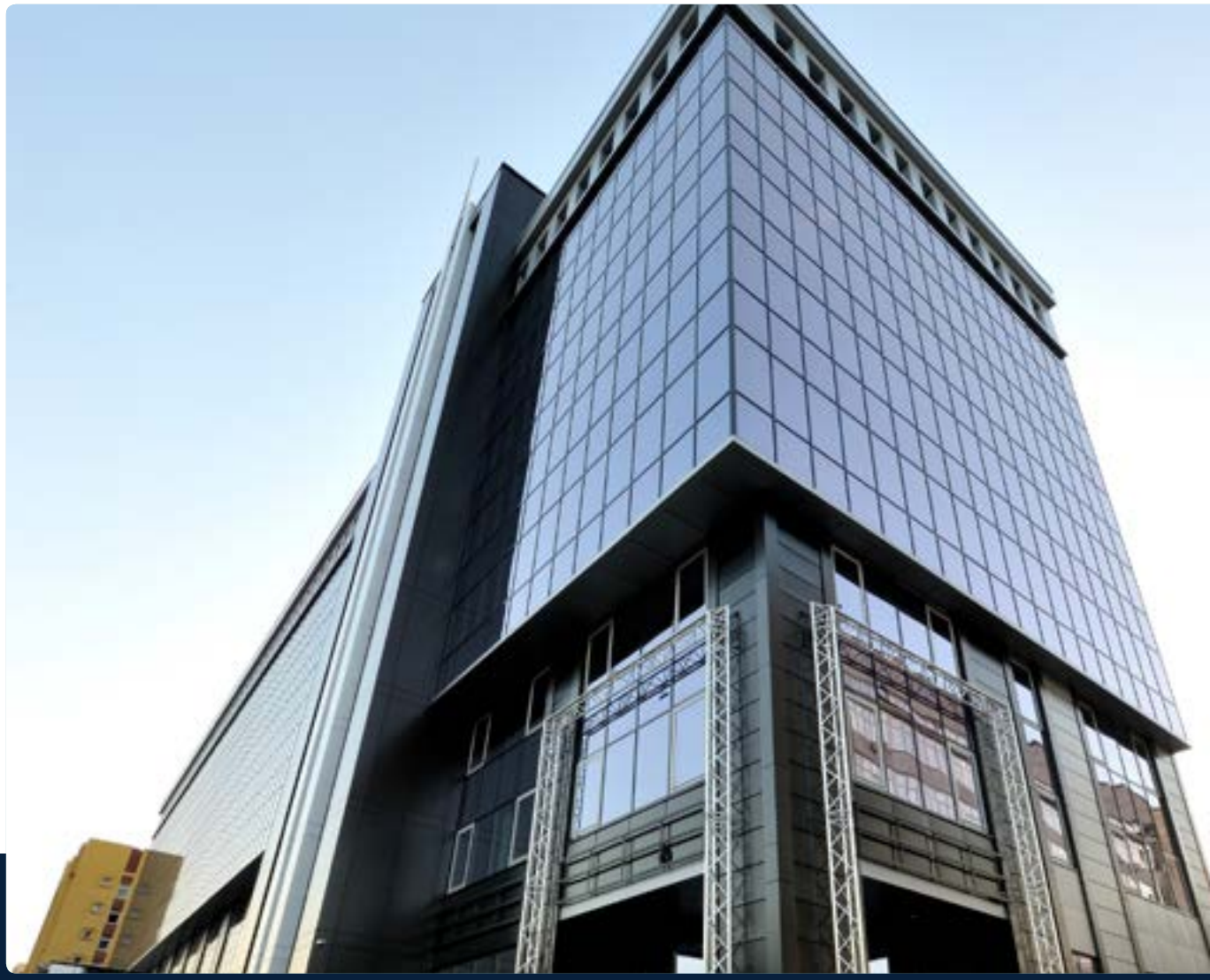
Pilkington Suncool® 30/16 Pro T

Minsk, Belarus

Pilkington
Suncool® 30/16 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	29	27	10	13	17	0.20	1.27	1.38

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3



Pilkington Suncool® 30/16 Pro T offers the best protection from the solar radiation, regarding both light and heat. It finds its best use in large-area façades and horizontal roof glazing. Due to an extremely low solar factor (19%) this product is especially effective when keeping solar heat gain under control is paramount.

Business Centre Metropolitan

Pilkington Optitherm® S3

Warsaw, Poland

Pilkington

Optitherm® S3 Pro T

Standart	Light			Solar Radiant Heat			U_g-value	
	Transmittance LT, %	Reflectance out LRout, %	Light reflectance inside, LRin, %	Direct energy transmittance DET, %	Solar Heat Gain Coefficient SHGC	Shading coefficient, SC	Air –filled Summer day W/m²K	Argon –filled Winter night W/m²K
NFRC	78	12	12	49	57	0.65	1.34	1.43

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

Pilkington Optitherm® S3 Pro T low-emissivity coating offers maximum transparency and neutrality. Excellent energy-saving solution for the residential buildings.

TECHNICAL DATA / NFRC

Appearance neutral blue silver bronze green

Product	Light transmittance	Light reflectance	Light reflectance inside	Direct energy transmittance	Energy reflectance	Energy absorptance	Solar Heat Gain Coefficient	Shading coefficient	U_g-value (Air Filled) (Summer)	U_g-value (Ar Filled) (Winter)
	LT%	**LRout**%	**LRin, %**	**DET**%	**ER**%	**EA**%	**SHGC**	**SC**	**U_g(air)** W/m²K	**U_g(argon)** W/m²K
Pilkington Suncool® 70/40 PRO T	70	10	11	34	31	34	39	0.45	1.34	1.43
Pilkington Suncool® 70/35 PRO T	69	16	16	30	38	32	34	0.39	1.27	1.38
Pilkington Suncool® 66/33 PRO T	65	16	18	29	35	36	33	0.38	1.27	1.38
Pilkington Suncool® 50/25 PRO T	49	19	22	21	34	46	25	0.28	1.27	1.38
Pilkington Suncool®-R Blue 50/25 PRO T	46	29	17	22	38	40	27	0.31	1.27	1.38
Pilkington Suncool®-R Silver 50/27 PRO T	45	34	26	24	39	38	28	0.32	1.27	1.38
Pilkington Suncool®-R Bronze 45/25 PRO T	42	25	27	19	43	38	23	0.27	1.27	1.38
Pilkington Suncool®-R Green 45/25 PRO T	44	37	33	23	43	34	27	0.31	1.27	1.38
Pilkington Suncool® 40/22 PRO T	39	20	22	17	36	46	22	0.25	1.30	1.40
Pilkington Suncool® 30/16 PRO T	29	27	10	13	39	48	17	0.20	1.27	1.38
Pilkington Optitherm® S3 PRO T	78	12	12	49	24	27	57	0.65	1.34	1.43

All values are calculated* of the IG unit 6| - 16 - 6 according to NFRC 100-2010 climatic conditions using production data base with Window 6.3

PRO T Pro T range comprises products which are available in toughenable form. The glass must be toughened before use and in its final form providesthe same performance valuesas the annealed versions.

ThyssenKrupp Headquater

Pilkington Suncool® 70/40

Essen, Germany

For more detailed information about characteristics and applications of Pilkington Suncool® products please see the Glass Processing Manual or address Pilkington technical service.

*All values are calculated according to database December 10, 2019.

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