

Asian Magnetron Coatings



FOCUS ON
ENERGY EFFICIENT
NEEDS IN ASIA

STOPRAY

1st Temperable Double Silver Low-E Glass Produced in S.E.Asia



Aiming to respond to the expanding needs for energy efficient commercial buildings in Southeast Asia, AGC has invested in Thailand production facilities to manufacture temperable double silver coated Low-E glass in addition to existing product offerings (single silver coated Low-E glass and reflective glass).

Double silver coated Low- E glass offers a high performance coating which improves solar control performance while maintaining the level of visible light transmission. This in turn reduces the cost of air-conditioning to maintain a comfortable temperature inside buildings.

Discover how AGC's enhanced service and product offerings will help you to boost efficiency and gain a competitive advantage in your own business fields.

STOPRAY

Glass with silver coating layers yield brilliant solar and thermal performance

- Stopray Smart** Provides high flexibility and convenience to the processors (no edge deletion required, self-matchable)
- Stopray Vision** Offers efficient solar control with high light transmittance and good selectivity ratio
- Stopray Ace** Provides comfort to the eye with lower reflectance values coupled with excellent thermal insulation

Enhanced Product Offering

Performance Data

Type of glass	Colour	Light Performances (EN 410) ⁽¹⁾			Energy Performances (ISO 9050) ⁽¹⁾			U-Value (W/m ² .k) (EN 673) ⁽²⁾	Selectivity (LT/SF)	Temperable
		LT (%)	LR out (%)	LR in (%)	EA (%)	SF (%)	SC			
Double Glazing 6-12-6, (with 100% air), Coating position #2										
Stopray Vision 60T ⁽³⁾	Neutral	59	14	20	39	35	0.40	1.5	1.69	Yes ⁽³⁾
Stopray Vision 60	Neutral	60	15	18	38	33	0.38	1.5	1.82	No
Stopray Vision 50T ⁽³⁾	Neutral	49	17	21	40	29	0.33	1.5	1.69	Yes ⁽³⁾
Stopray Vision 50	Neutral	49	19	22	43	27	0.31	1.5	1.81	No
Stopray Ace 42T ⁽³⁾	Neutral Greyish	42	16	12	44	25	0.29	1.6	1.68	Yes ⁽³⁾
Stopray Smart 51/33 ⁽⁴⁾	Neutral	50	25	17	41	32	0.37	1.6	1.56	Yes ⁽⁴⁾
Stopray Smart 30/20 ⁽⁴⁾	Neutral Bluish	29	28	15	53	21	0.24	1.6	1.38	Yes ⁽⁴⁾

(1) The data are calculated using spectral measurements that are conforming to standards EN 410, ISO 9050 (1990)

(2) The U-value is calculated according to standard EN 673.

(3) This coating must be tempered to reach its final performances.

(4) Stopray Smart can be used in tempered or non-tempered versions. Due to its high absorption factor (EA = 53%), we recommend always tempering Stopray Smart 30/20.

Specifications, technical and other data are based on information available at the time of preparation of this document and are subjected to change without notice. AGC cannot be held responsible for any deviation between the data introduced and the conditions on site.

GLASS EXPERTS AT YOUR SERVICE

AGC offers real support for architects and customers in planning, designing and processing glass via two support teams:

Asia Project Team

Asia Project Team is a group of glass and architectural experts responsible for supporting investors, architects, engineering firms, facade makers and processors in specific technical solutions, with a focus on glass facades, glass roofs and other special exterior applications.

TAS: Technical Advisory Service

The AGC Technical Advisory Service is a team of glass experts offering technical support on the company's glass products to customers with a focus on specialty glass. This technical support covers topics, such as: technical data sheets, thermal analysis including evaluation of the risk of thermal stress, acoustic advice, installation guidelines, engineering support for special glass applications, etc.

This team also advises clients that process AGC glass, focusing on the tempering and heat-strengthening processes.

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