

EASY TO PROCESS
HIGH-PERFORMANCE GLASS



GLASS UNLIMITED

STOPRAY® SMART

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Stopray – AGC’s flagship range of magnetron-coated products – has two additions: Smart 51/33 and Smart 30/20. These products include a silver layer providing super solar control and thermal insulation. The major innovation however is the fact that all Stopray Smart products can be used in toughened or non-toughened versions. Furthermore, no edge-deletion is required⁽¹⁾.

Applications

Stopray Smart glass products have been developed for exterior applications in facades on all types of commercial buildings.

Benefits

> One product: two uses

All Stopray Smart products can be used toughened or non-toughened⁽²⁾. The processor’s decision will depend on how the building is specified. The toughened and non-toughened versions deliver the same energy, light and insulation performance. A single product with two uses also means less storage space is required.

> Easier to process

It is not necessary to edge-delete⁽¹⁾ the coating, greatly facilitating any subsequent processing of the glass and also yielding a remarkable appearance when used in a structural facade.

> Perfect visibility

A low interior light reflection guarantees perfect visibility towards the outside world.

> Attractive neutral appearance

Stopray Smart 51/33 has a neutral colour, whereas Stopray Smart 30/20 has an attractive neutral bluish colour. They are both in line with current architectural trends.

> Superb thermal insulation

Both boasting a U_g value of 1.1 W/(m².K), Stopray Smart 51/33 and Smart 30/20 guarantee a high level of thermal insulation.

Additional combinations

Stopray Smart 51/33 and Smart 30/20 are used exclusively in double glazing. They can both be laminated by the processor⁽⁴⁾.

Performances

| Double glazing 6-16-4 (with 90% Argon) ⁽⁵⁾ | Coating Position | Colour | Light performance | | | Energy performance | | | U _g Value | | Tough- enable | Non- tough- ened | Edge deletion | Ben- dable | Silk- screen printing | Shelf life |
|--|---------------------|----------------|-------------------|--------|------------|--------------------|--------|------|----------------------|-------------------------|------------------|------------------------|------------------|--------------------|-----------------------------|------------|
| | | | EN 410 | | | | | | EN 673 | (W/(m ² .K)) | | | | | | |
| | | | LT (%) | LR (%) | LR int (%) | SF (%) | EA (%) | SC | | | | | | | | |
| Stopray Smart 51/33 | #2 | Neutral | 51 | 25 | 17 | 33 | 39 | 0.38 | 1.1 | Yes | Yes | No ⁽¹⁾ | Yes | Yes ⁽⁶⁾ | 9 months ⁽³⁾ | |
| Stopray Smart 30/20 ⁽²⁾ | #2 | Neutral bluish | 30 | 28 | 15 | 20 | 52 | 0.24 | 1.1 | Yes | Yes | No ⁽¹⁾ | Yes | Yes ⁽⁶⁾ | 9 months ⁽³⁾ | |

⁽¹⁾ Please follow the processing instructions in the “Stopray Smart Processing Guide” and in the “Stopray Smart Structural Glazing Sealant Compatibility Guide”.

Don’t hesitate to contact your AGC representative if you have any questions.

⁽²⁾ Due to its high absorption factor (EA = 52%), we recommend always toughening Stopray Smart 30/20.

⁽³⁾ This product can be stored for up to nine months thanks to the coating’s high level of chemical resistance.

⁽⁴⁾ Care must be taken to ensure the coating does not come into contact with the PVB.

⁽⁵⁾ Identical values for a 15 or 16 mm spacer.

⁽⁶⁾ Please follow the processing instructions in the “Stopray Smart Processing Guide”.



The Stopray Smart products are
Cradle to Cradle Certified^{CM} Silver.

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