



MORE NEUTRAL LOOK FOR FACADES

■ ARCON SUNBELT® A51, A61, A71 – OUR EXTENDED PRODUCT RANGE FOR MORE HARMONIOUS-LOOKING FACADES

With its new sunbelt® A51, A61 and A71 coatings, arcon offers an extended range of solar control options. A more neutral look, lower reflection and absorption values, and reduced angular dependence of reflected colour are the most important new features compared with sunbelt® variants A50, A60 and A70.

We have introduced these innovations to meet customer requests, as architects and builders, glass processors and facade contractors tend to prefer to use a coating in a neutral shade in their projects.

The new additions to our solar control range also impress with their low external and internal reflection and good thermal insulation.

The low light reflection inside allows a pleasant view to the outside. We were also able to improve the angular dependence of the reflected colour, which ensures that the glass surface has a more homogeneous appearance.

Thanks to g-values of between 28 and 37 percent, no additional cooling systems are needed under certain circumstances. With an energy absorption of well under 50 percent, the glass panes have a low risk of thermal stress breakages. Sunbelt® A51, A61 and A71 are also much more cost efficient, because the laminated safety glass can be produced without thermally toughened glass. This also results in a lower carbon footprint compared with heat-strengthened facade glazing. The Ug value of 1.0 W/(m²K) also ensures low heating costs in winter and low cooling loads in summer. Why not simply see for yourself in your next project.

YOUR KEY BENEFITS AT A GLANCE

- Neutral-coloured look
- Reduced angular dependence of reflected colour gives large facades a more harmonious appearance
- Reflected facade colour blue-grey
- Low external and internal reflection



WHAT WE CAN DO

- Coatings for float and laminated safety glass in stock sizes up to 3.21 m x 12.0 m
- HT (heat treatable) coating for stock sizes and cut sizes up to 3.21 m x 6.0 m
- Coating of cut-to-size toughened safety glass and laminated safety glass up to 3.21 m x 12.0 m
- Contract coating of customers' own glass up to size 3.21 m x 12.0 m
- Edge deletion or edge masking to required width
- Coating up to maximum glass thickness 14.5 mm including warping (measured horizontally)
- Machined edges and drill-holes
- Screen-printed or enamelled glass
- VdS-approved alarm wiring on toughened safety glass and laminated safety glass
- Certification to ISO 9001

OVERVIEW TECHNICAL DETAILS (AS PER EN 410 AND EN 673)

Glass substrate	Glass structure			EN 410					EN 673	Thick- ness**		
	External / cavity / center/ cavity / internal			Light transmission*	Light transmission external*	Light transmission internal*	g-Value*	Colour rendering index R _a *	U _f -Value (90% argon)			
	mm			%	%	%	%		W/(m²K)			
sunbelt® A71 // 70.37												
Float glass clear	6:	16	4	70	13	14	37	96	1.0	26		
sunbelt® A71 /// 63.35												
Float glass clear	6:	14	4	14	:4	63	15	16	35	95	0.6	42
sunbelt® A61 // 61.33												
Float glass clear	6:	16	4	61	13	12	33	93	1.0	26		
sunbelt® A61 /// 55.30												
Float glass clear	6:	14	4	14	:4	55	14	14	31	92	0.6	42
sunbelt® A51 // 52.28												
Float glass clear	6:	16	4	52	14	11	28	92	1.0	26		
sunbelt® A51 /// 47.26												
Float glass clear	6:	14	4	14	:4	47	16	14	26	91	0.6	42

* The specified functional values were determined in accordance with the relevant and valid test standards as well as the legal regulations in accordance with the test dimensions and test conditions required or described therein. Deviating formats and combinations as well as e.g. statically induced glass thickness adjustments can lead to changes in individual functional values. The values given refer exclusively to glass elements. The values for components depend essentially on the frame construction.

** Tolerance depends on type.

WE'RE HERE TO HELP.