

Product overview



Spandrel glass

Low-e glass

Solar control glass

decolite



arcon decolite spandrel glass is coated and/or enamelled monolithic toughened safety glass, harmoniously colour-coordinated with our coatings. It is available in 6 mm and 8 mm as heat-soaked toughened safety glass. Our arcon decolite spandrel panels meet the requirements of ETAG 002 (European Technical Approval Guideline) in respect of the SG (structural glazing) adhesive Dow Corning 993.



coating	visual appearance	decolite A	decolite A+	decolite 400	decolite 500
sunbelt A70 / sunbelt A70 HT	neutral, low reflectance	•	•		
sunbelt A60 / sunbelt A60 HT	neutral, low reflectance	•	•		
sunbelt A50 / sunbelt A50 HT	neutral, low reflectance	•	•		
sunbelt A40 / sunbelt A40 HT	neutral, medium reflectance	•	•		
sunbelt platin 71/42	green-grey, low reflectance				•
sunbelt silber 40/21	silver, high reflectance			•	
N34/ N34 HT	neutral, low reflectance				•

decolite A: unobtrusive light reflectance **decolite A+:** higher light reflectance

The spandrels which are dedicated to the different sunbelt types always have only an approximate match in terms of colour. The customer has to decide if this match is sufficient. In either case we recommend a sampling inspection.

Spandrel glass

Low-e glass



Low-e glass by arcon offers impressive thermal insulation as well as optimised lighting characteristics. High light transmission values ensure a high proportion of natural light in the building. At the same time, our insulating glass saves heating costs due to high solar gain.



	visible light			solar energy			g-value %	shading coefficient %	colour rendering index R _s	U _g -value W/(m ² K)
	transmission %	reflectance outside %	reflectance inside %	transmission %	reflectance outside %	absorbance %				
Double glazing (4/16/:4 - 90 % Ar)										
N34/ N34 HT	82	12	12	57	26	17	64	74	98	1.1
N10	70	22	24	43	39	18	50	57	97	1.0
Triple glazing (4:/14/4/14/:4 - 90 % Ar)										
N34/ N34 HT	74	14	14	45	31	24	53	60	96	0.6
Triple glazing (4:/12/4/12/:4 - 90 % Kr)										
N34/ N34 HT	74	14	14	45	31	24	53	60	96	0.5

All technical values to EN 410 and EN 673 ($\Delta T = 15$ K), manufacturing tolerances to EN 1096
arcon reserves the right to change product performance characteristics without notice and without obligation. December 2015 Deh

Solar control glass



Solar control glass reinvented: With the arcon A-series, four solar control coatings are colour-matched in such a way that they can be combined in one building for the first time. Due to the different light transmittance values, a needs-based application which also retains the visual harmony is possible.

The availability of a toughenable HT variant, coating of stock-size panes and the option of cut-size coating guarantee maximum flexibility in the planning and execution of projects.



	visible light			solar energy			solar factor (SF) %	shading coefficient %	colour rendering index R_a	Ug-value W/(m ² K)
	transmission %	reflectance outside %	reflectance inside %	transmission %	reflectance outside %	absorbance %				
Double glazing (6:/16/4 - 90 % Ar)										
sunbelt A70 / A70 HT	70	13	13	35	33	32	37	43	96	1.0
sunbelt A60 / A60 HT	61	14	12	31	32	37	33	38	96	1.0
sunbelt A50 / A50 HT	53	18	12	26	31	43	28	32	94	1.0
sunbelt A40 / A40 HT	43	22	11	21	31	48	23	27	91	1.0
sunbelt platin 71/42	71	11	12	39	29	32	42	49	96	1.1
sunbelt silber 40/21	40	33	19	19	46	35	21	24	94	1.0
sunbelt gold 29/28	29	36	51	24	37	39	28	32	91	1.2
Triple glazing (6:/14/4/14:/4 - 90 % Ar - arcon N34 on surface 5)										
sunbelt A70 / A70 HT	63	15	16	30	34	36	34	39	94	0.6
sunbelt A60 / A60 HT	56	16	14	27	33	40	30	35	94	0.6
sunbelt A50 / A50 HT	48	19	15	22	32	45	26	29	92	0.6
sunbelt A40 / A40 HT	39	23	14	18	31	51	21	24	90	0.6
sunbelt platin 71/42	64	13	14	33	30	36	38	44	95	0.6
sunbelt silber 40/21	36	33	20	17	46	38	19	22	93	0.6
sunbelt gold 29/28	26	36	47	18	38	44	22	26	91	0.7

Performance data are calculated using EN 410 and EN 673 ($\Delta T=15K$), manufacturing tolerances EN 1096. arcon reserves the right to change product performance characteristics without notice and without obligation. December 2015 Deh

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For more than 35 years arcon has been offering a very wide range of highly effective magnetron coatings on all types of glass substrates. The range includes high-end products used for coated architectural glass such as high-performance low-e coatings, solar control coatings and other special coatings.

As part of the Arnold Glas group of companies, arcon not only offers its own technical expertise but can exploit synergies to benefit its customers and provide end-to-end solutions.

► Calculate photometric data online at www.arcon-glas.de/en

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