



aluzion®

AMETHYST

GLARE & HEAT CONTROL | SHADING | OUTSIDE VIEW

Suitable for:



AMETHYST

FABRIC SPECIFICATION

Amethyst is a very high-performance fabric for heat and glare control.

A real heat shield

Thanks to its micro-ventilation system, Amethyst:

- regulates the sun's heating effects
- limits the greenhouse effect

Such unrivalled performances enable the reduction of:

- the use of air-conditioning
- energy expenditure of the building

Transparency without glare

A large choice of colours increases technical and aesthetic solutions:

- to choose the appropriate light transmission coefficient (TV)
- to conserve visibility toward the outside
- to ensure privacy for inhabitants

Creation of colour universe

- combination of performance and aesthetic

Thickness	0.45mm - 450 microns
Weight	420g/m ² - 12.4 oz/sqyd (EN ISO 2286-2)
Openness factor	4%
Widths	177cm - 267cm / 69.7" - 105.1"
Standard format length in 177cm	50lm - 54.68 yds
Standard format length in 267cm	40lm - 43.74 yds
Tensile strength (warp/weft)	310/210 daN/5cm (EN ISO 1421)
Tear strength (warp/weft)	45/20 daN (DIN 53.363)
Flame retardancy	B1 /DIN 4102-1 - BS 7837 - BS 5867 - Schwerbrennbar-Q1-Tr1 /ONORM A 3800-1 Classe 1 /UNI 9177-87 - M1 /UNE 23.727-90 - VKF 5.2 /SN 198898 - 1530.3/ AS /NZS G1 /GOST 30244-94 - Method 1 /NFPA 701 - CSFM T19 - Class A /ASTM E84
Euroclass	B-s2,d0 (EN 13501-1)
Quality	ISO 9001

The technical data above are average values with a +/-5% tolerance.



ACV and FDES (Health and Environmental Datasheet) available on request.

Personalised service for simulating your project's thermal performance and related Aluzion® solar protection systems: please contact your Aluzion® representative.

If you need advice in specifying or have a particular query that we may be able to help with, call the Aluzion® sales office on 0845 382 2000 or email your requirements to info@aluzion.co.uk.



HANDY TIP!

Horizontal fabric joins will be introduced where both dimensions of a blind exceed the maximum usable width of the fabric. The joins will normally be situated as near to the top of the blind as possible. Joins are visible and are either stitched or heat welded.

AMETHYST COLOUR CHART



Bronze 177 cm– 267cm

92-2043



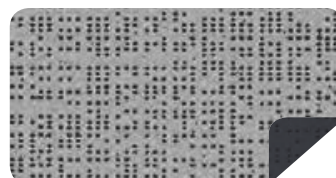
White 177 cm– 267cm

92-2044



Boulder 177 cm– 267cm

92-2171



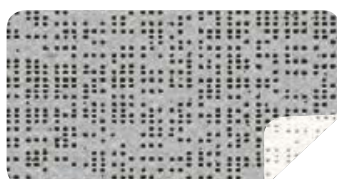
Alu/Anthracite 177 cm

92-2068



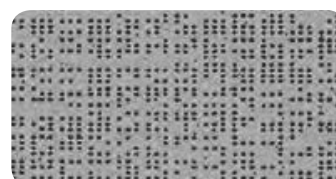
Sandy beige 177 cm– 267cm

92-2135



Alu/White 177 cm– 267cm

92-2051



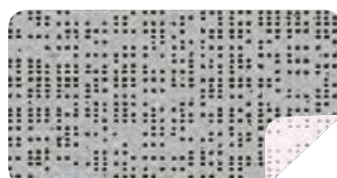
Beaten metal 177 cm– 267cm

92-2045



Cloud 177 cm– 267cm

92-50272



Alu/Oat 177 cm– 267cm

92-2046



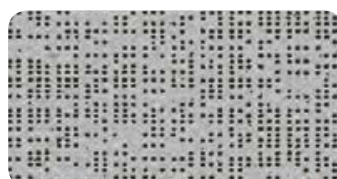
Concrete 177 cm– 267cm

92-2167



Interferential grey 177 cm

92-2065



Alu/Alu 177 cm– 267cm

92-2048



Anthracite 177 cm– 267cm

92-2047



Alu/Medium grey
177 cm– 267cm

92-2074



Black 177 cm– 267cm

92-2053

AMETHYST COLOUR CHART



Champagne 177 cm—267cm 92-2175



Hemp 177 cm—267cm 92-50265



Pepper 177 cm—267cm 92-2012



Gold 177 cm 92-50273



Havana-Brown 177 cm 92-50266



Bronze 177 cm—267cm 92-2043



Beetle 177 cm 92-2149



Cocoa 177 cm 92-2148



Walnut stain 177 cm 92-2137



Moss green 177 cm 92-2158



Dark teal 177 cm 92-50264



Green tree 177 cm 92-2039



Aniseed 177 cm 92-2157



Bamboo 177 cm 92-50333



Chick 177 cm 92-2013



Buttercup 177 cm 92-2166



Orange 177 cm 92-8204



Copper 177 cm 92-50274



Caramel 177 cm 92-50261



Carrot 177 cm 92-2172

AMETHYST COLOUR CHART



Cotto 177 cm 92-50267



Velvet red 177 cm 92-2152



Muscat 177 cm 92-50260



Grenadine 177 cm 92-50268



Red 177 cm 92-8255



Turtledove 177 cm 92-2163



Violet parma 177 cm 92-2164



Plum 177 cm 92-50336



Intense turquoise 177 cm 92-50271



Hawaii 177 cm 92-50269



Lagoon 177 cm 92-2160



Thistle 177 cm 92-50270



Midnight blue 177 cm 92-2161



Navy 177 cm 92-50342



HANDY TIP!

Due to the nature of a screen-type fabric, a view is created through to the strongest source of light (typically from inside to outside). This means the orb of the sun will often be visible, particularly in the winter months at low sun angles. When dark outside, and lights are on inside there will also be some view through in the opposite direction. This does not mean an issue with the fabric but is due to the inherent nature of it.

AMETHYST SOLAR AND LIGHT PROPERTIES (EN 14501)

	Width (cm)	TS	RS	AS	TV n-h	EN 13363-1* Type 'C' glazing		EN 13363-2** Type 'D' glazing			
						177 267		177 267			
						g_{tot}^e	g_{tot}^i	g_{tot}^e	g_{tot}^i		
92-2012		•	•	7	30	63	6	0.10	0.47	0.04	0.24
92-2013		•		18	57	25	16	0.14	0.39	0.07	0.17
92-2039		•		4	8	88	3	0.10	0.54	0.04	0.29
92-2043		•	•	4	13	83	4	0.10	0.53	0.04	0.28
92-2044		•	•	19	68	13	17	0.14	0.35	0.07	0.11
92-2045		•	•	4	35	61	4	0.08	0.45	0.03	0.22
92-2046 A		•	•	12	46	42	10	0.12	0.42	0.05	0.18
92-2046 B		•	•	12	63	25	10	0.10	0.37	0.05	0.14
92-2047		•	•	5	8	87	5	0.11	0.54	0.04	0.28
92-2048		•	•	8	46	46	8	0.09	0.42	0.04	0.18
92-2051 A		•	•	12	49	39	11	0.11	0.41	0.06	0.17
92-2051 B		•	•	12	70	18	11	0.10	0.34	0.05	0.10
92-2053		•	•	3	6	91	3	0.10	0.55	0.03	0.29
92-2065		•		10	46	44	7	0.11	0.42	0.04	0.19
92-2068 A		•		4	34	62	4	0.08	0.46	0.03	0.22
92-2068 B		•		4	8	88	4	0.10	0.54	0.04	0.28
92-2074 A		•	•	4	37	59	4	0.08	0.45	0.03	0.21
92-2074 B		•	•	4	25	71	4	0.09	0.49	0.03	0.24
92-2135		•	•	11	46	43	8	0.11	0.42	0.04	0.19
92-2137		•		3	8	89	3	0.10	0.54	0.04	0.29
92-2148		•		3	14	83	3	0.09	0.52	0.03	0.27
92-2149		•		5	16	79	4	0.10	0.52	0.04	0.27
92-2152		•		7	26	67	5	0.11	0.48	0.03	0.26
92-2157		•		15	51	34	10	0.13	0.40	0.05	0.20
92-2158		•		7	28	65	5	0.10	0.48	0.03	0.24
92-2160		•		11	36	53	5	0.12	0.45	0.04	0.24

	Width (cm)	TS	RS	AS	TV n-h	EN 13363-1* Type 'C' glazing		EN 13363-2** Type 'D' glazing			
						177 267		177 267			
						g_{tot}^e	g_{tot}^i	g_{tot}^e	g_{tot}^i		
92-2161		•		9	23	68	5	0.12	0.50	0.04	0.28
92-2163		•		9	42	49	4	0.10	0.43	0.04	0.21
92-2164		•		10	45	45	4	0.11	0.42	0.04	0.21
92-2166		•		21	54	25	17	0.16	0.40	0.07	0.19
92-2167		•	•	6	19	75	5	0.11	0.51	0.04	0.26
92-2171		•	•	8	41	51	6	0.10	0.44	0.04	0.20
92-2172		•		19	43	38	8	0.16	0.43	0.05	0.24
92-2175		•	•	19	65	16	17	0.14	0.36	0.07	0.14
92-8204		•		21	45	34	11	0.17	0.43	0.07	0.23
92-8255		•		12	28	60	4	0.13	0.48	0.05	0.27
92-50260		•		5	14	81	4	0.10	0.52	0.04	0.28
92-50261		•		8	31	61	4	0.11	0.47	0.04	0.25
92-50264		•		5	13	82	4	0.11	0.53	0.03	0.28
92-50265		•	•	9	49	42	6	0.10	0.41	0.04	0.18
92-50266		•		4	19	77	4	0.09	0.51	0.03	0.26
92-50267		•		6	27	67	3	0.10	0.48	0.03	0.26
92-50268		•		16	37	47	5	0.15	0.45	0.05	0.25
92-50269		•		9	35	56	5	0.11	0.45	0.03	0.23
92-50270		•		4	18	78	3	0.10	0.51	0.04	0.27
92-50271		•		11	36	53	4	0.12	0.45	0.04	0.24
92-50272		•	•	12	55	33	9	0.11	0.39	0.05	0.16
92-50273		•		8	42	50	5	0.10	0.43	0.04	0.21
92-50274		•		8	35	57	4	0.10	0.46	0.04	0.24
92-50333		•		11	37	52	7	0.12	0.45	0.05	0.23
92-50336		•		7	18	75	3	0.11	0.51	0.03	0.28
92-50342		•		6	10	84	4	0.11	0.54	0.05	0.29

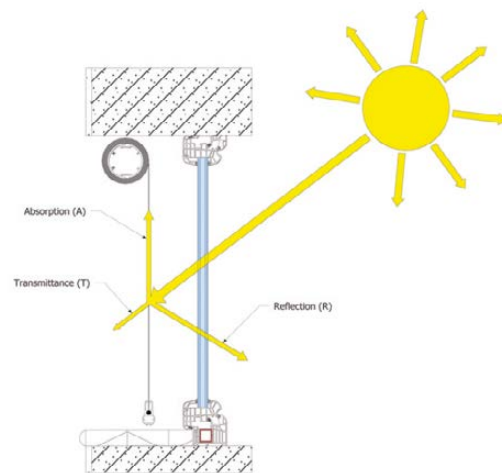
*Simplified method
EN 13363-1

The transmission and reflection values above are based on the integrated values of the glass combined with the screen. These are used to calculate the g_{tot} value. Type 'C' glazing is double glazing and insulated with low emissivity in position 3 (4 + 16 + 4; Argon-filled) $g = 0.59 - U = 1.2$.

**Detailed method
EN 13363-2

The transmission and reflection values above are based on the integrated values of the glass combined with the screen. These are used to calculate the g_{tot} value. Type 'D' glazing is double glazing and insulated with low emissivity in position 2 (4 + 16 + 4; Argon-filled) $g = 0.32 - U = 1.1$.

- TS:** Solar Transmission (%)
- RS:** Solar Reflection (%)
- AS:** Solar Absorption (%)
- TS + RS + AS = 100%** of incident energy
- TV n-h:** Normal-hemispherical visible light transmission (%)
- A:** Aluminium face exposed to the sun
- B:** Coloured face exposed to the sun
- g_{tot}^e :** External solar factor
- g_{tot}^i :** Internal solar factor



Aluzion® reserve the right to change colours without notice as colours may become obsolete, discontinued or only compatible with particular blind systems.

If in doubt, please request stock cuttings of fabrics before production.

Please note that colours viewed on screen will appear different to the actual product.