

Dynamic Solar control with shading

DLS COOLSHADE HR 32/9

is Insulating glass with angle-selective Solar Control
as design element

Through special surface treatment of three-dimensionally designed expanded metal in combination with innovative insulating glass technology we have created a combined facade or roof element with the following performance:

- Protection of privacy through vision-control from outside
- Dynamic summer thermal control at varying solar incidence
- Sufficient vision to outside and contact to the environment through high transparency (particularly downwards)
- Daylight source with highest possible colour rendition
- Using orientation-planning in roof applications the direct solar radiation is reflected whilst providing ingress of zenith light
- Dust-free solar control in hermetically sealed insulated unit
- A vast design potential through individual colour choice
- Thermal control and comfort

DLS COOLSHADE unites not only the characteristics of an insulated unit but also architectural design possibilities with a very low heat-gain values and a reduction in direct solar radiation. An ideal reflective and maintenance-free shading element is thus created.

IMPORTANT NOTE

Technical data and contents may not be current.

Please use the print option from the website for current information

Technical Information

STANDARD COMPOSITIONS

DLS COOLSHADE HR 32/9

Standard Composition: 4 mm SECURIT FT
24 mm gas (Argon)
4 mm SECURIT FT Planitherm N Low-E




DLS COOLSHADE HR 32/9 SLOPE

Standard Composition: 6 mm SECURIT FT
24 mm gas (Argon)
8 mm STADIP laminated Planitherm N,
0,76 mm PvB

Measurements using calorimetric methods have shown that very low levels of total energy transmission together with very good light transmission and reflection levels achieve a basis for thermal control in summer conditions.

TECHNICAL DATA

COOLSHADE HR 32/9 - vertical installation

Angle of sun	g-value*	LT**	LR
 60°	0,09	0,02	0,83
 30°	0,20	0,18	0,66
 0°	0,32	0,32	0,48

* Calorimetric measurement

** Integral Light measurement acc. DIN 5036-2

DIMENSIONS

Innovative connection technology allows an almost invisible joint without additional stiffening elements achieve large elements up to a size of approx. 220 x 350 cm.

Using interesting surface and colour choices it is possible to purposefully employ the element as an architectural feature. Other surfaces alter the technical performance.

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