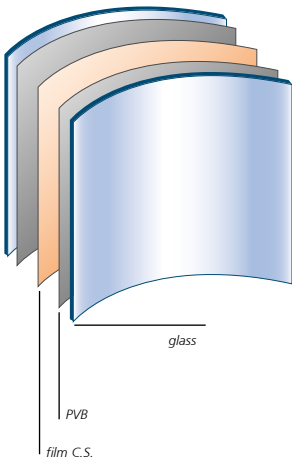


# Crisunid California

## Clear laminated glass for solar control

Crisunid California is a high-technology laminated glass with a solar control film (50 μ thick) that is placed between two interlayers of PVB.

Its main feature is the way it selectively controls infrared solar energy, while giving high visible-light transmission.



### Advantages

- Over 70% light transmission.
- Over 50% solar heat reflection.
- 99% ultraviolet protection.
- Soundproofing properties.
- Safety and impact resistance.
- The reflecting surface is protected against any external attack.

- The same security level with less thickness, if compared with a current laminated glass (example: 66/3= 666/2).

### Savings

- Energy savings through reduced air-conditioning requirements.
- Savings of electric light costs.
- Savings in solar control accessories, such as curtains, blinds, awnings, etc.
- Savings in glass thickness.

### Applications

For all glazing work exposed to sunlight. Suitable for both flat and curved applications.

- Curtain walls.
- Shop windows.
- Windows.
- Glass domes.

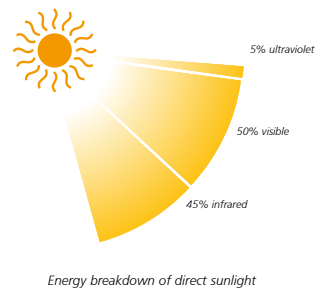
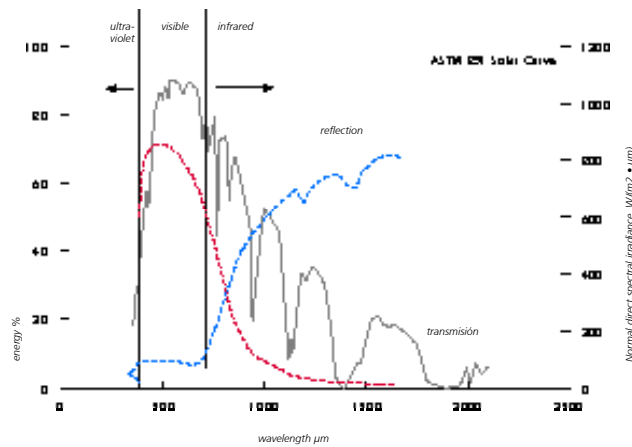
- Lattice windows, skylights.
- Sloped glazing.
- Automotive, railway and nautical glazing.



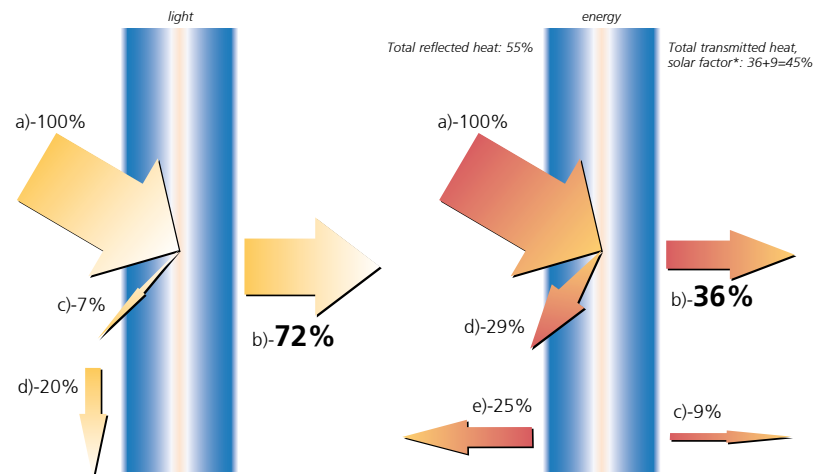
Dresden Airport

## The spectral distribution of solar energy

Transmission and reflection with Crisunid California 33/3.



Energy breakdown of direct sunlight

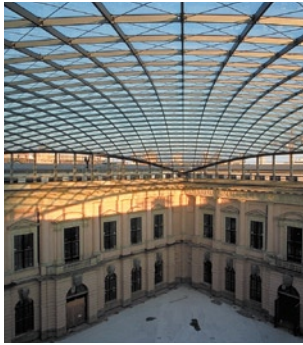


\* The solar factor of glazing is the ratio of the quantity of heat entering a given area through the glazing to the intensity of the incident solar radiation. It is equal to the sum of the solar energy directly transmitted to the interior plus the energy released to the interior by the glazing as a result of the heat building up in that glazing through energy absorption.



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Deutsches Historisches Museum,  
Berlin

### Soundproofing table

Hertz	100	200	400	630	800	1000	2000	4000	5000	STC
Laminated	25	27	30	34	35	35	35	43	46	35
Crisunid California	29	27	31	34	35	36	33	43	46	35

### Test certifications

#### UNE 108/131/86 p. 2

Level	Reference	Thickness	Weight kg/m <sup>2</sup>	Certification
A	A-7C	8,8 mm.	20	DBT 8001
B	B-13C	12,8 mm.	30	DBT 8001

### Performance data

Composition	UV Trans. (%) (300-380nm)	Light Transmittance (%)	Vis. Reflection (%)	SHGC -Solar Factor (%)	Shading Coefficient	Solar Reflection (%)
<b>NO CALIFORNIA®</b>						
4mm Clear Float	60	90	8	85	98	16
4mm Low Iron	86	92	8	91	105	16
44/2 Clear Float	5	87	8	77	89	14
44/2 Low Iron	5	91	8	87	100	16

#### CALIFORNIA® 72-47 INTERLAYER

44/3 Clear Float	2	71	9,5	51	58,6	20,4
44/3 Low Iron	2	74	10,1	52	59,8	24,8
55/3 Clear Float	2	71	9,3	50	57,5	19,8
55/3 Low Iron	2	74	9,7	52	59,8	24,3
66/3 Clear Float	2	70	9,4	50	57,5	18,0
66/3 Low Iron	2	73	9,2	52	59,8	23,6
88/3 Clear Float	2	68	8,4	49	56,3	14,8
88/3 Low Iron	2	73	8,8	52	59,8	22,0
1010/3 Clear Float	2	65	7,2	48	55,2	12,7
1010/3 Low Iron	2	72	7,8	52	59,8	21,1
1212/3 Clear Float	2	65	6,5	47	54,0	10,7
1212/3 Low Iron	2	71	7,0	52	59,8	19,2
66/3 Clear Float + Pyrolytic Clear #3	2	57	8,5	44	50,6	17,1
66/3 Clear Float + Pyrolytic Blue #3	2	45	7,8	38	43,7	16,7
66/3 Clear Float + Pyrolytic Green #3	2	43	8,1	36	41,4	16,9
66/3 Clear Float + Green Body Tinted	2	53	19,9	36	41,4	26,8
66/3 Clear Float + Blue Body Tinted	2	58	7,1	44	50,6	5,6

### Technical data

#### Basic compositions

33/3, 44/3, 55/3, 66/3.

#### Maximum dimensions

2000 x 5800 mm. (78 x 228").

- Glass tempering not required due to clearness of laminated glass.
- The outer glazing component (glass, PVB) must be clear.
- Crisunid California is supplied in cutted sizes, with special silicon edge seal.

#### Combinations

- Clear laminated glass.
- Coloured laminated glass.
- Coloured PVB.
- Reflective glass.
- Low-emissivity glass.
- Toughened glass.
- Wire glass.
- Double glazing (air space).
- Polycarbonate bullet-proofing.
- Others, upon demand.



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