

Specification for "OKASOLAR F" 2 Pane glazing with integrated light re-directing Louvers

Project -
Architect –
Location -

UK Agent

VENA Ltd

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Contact - John Godwin

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Manufacturer

OKALUX GmbH

Am Joespershecklein 1,
97828 Markttheidenfeld,
Germany

Contact - Nicole Amthor

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Specification (to be read in conjunction with INFOTEXT)

Product – "OKASOLAR F" double glazed vertical glazing with Type O/U integrated mirror louver profiles for light re-direction and glare control.

Build up: Outer Pane: ____mm Toughened H* /Heat strengthened Laminate plus low E coating **or**
70/39 Solar coating to #2
Cavity : 16mm with Okasolar Type F O/U Louvers
Type O light re-directing louvers from 1800mm above FFL
Type U below this level
Cavity Fill Air */ Argon* / Krypton* Gas (*delete as required to suit Ug*)
Inner Pane: ____mm Toughened H*/ Heat strengthened laminated* glass

Restrictions: Louvers: Max. length 1000mm, max. un-supported length 1000mm
Edge Cover: Min. 12mm PLUS sealant depth (*typically 7mm to 10mm depending on loads*)
Edge Profiles: 17.5mm & Mid Joints : 17.5mm

| | Low E Coat | 70/39 Solar Control |
|--|-------------------------|----------------------------|
| U Value: Air Fill = | 2.1 W/m ² K* | 2.1 W/m ² K* |
| Argon Fill = | 1.7 W/m ² K* | 1.7W/m ² K* |
| Krypton Fill= | 1.1 W/m ² K* | 1.1 W/m ² K |
| <i>(*delete as applicable to chosen cavity fill)</i> | | |

Light (Tv): Min 2% - Max 47% with Low E coat (*dependant on angle of Sun*)

Transmission Min 2% - Max 41% with 70/39Solar Control coating, (*dependant on angle of Sun*)

TSET(G Value): Min 17% - Max 42% with Low E coat (*dependant on angle of Sun*)

Min 15% - Max 32% with 70/39 Solar Control coating, (*dependant on angle of Sun*)

Fixing: In accordance with System manufacturers recommendations & Glaziers specific requirements

Sealant: Polysulphide Sealant to capped systems)
Structural Silicone to uncapped systems

Calculations - Glass thicknesses & type to be confirmed by system installer or facade engineer to meet loading & building requirements

Specification for "OKASOLAR F" 3 Pane glazing with integrated light re-directing Louvers

Project -
Architect –
Location -

UK Agent

VENA Ltd

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Specification (to be read in conjunction with INFOTEXT)

Product – "OKASOLAR F" triple glazed vertical glazing with Type O/U integrated mirror louver profiles for light re-direction and glare control.

Build up:

Outer Pane: ____mm Toughened H* /Heat Strengthened Laminate plus 70/39 Solar coating to #2

Cavity 1: 16mm with Okasolar Type F O/U Louvers
Type O light re-directing louvers from 1800mm above FFL
Type U below this level

Mid Pane: ____mm Toughened H* /Heat Strengthened with I plus e #4

Cavity 2: 10mm with Air or Gas fill

Cavities Fill Air* / Argon* / Krypton* Gas (*delete as required to suit Ug*)

Inner Pane: ____mm Toughened H* / Heat strengthened laminated* glass

Restrictions:

Louvers: Max. length 1000mm, max. un-supported length 1000mm

Edge Cover: Min. 12mm PLUS sealant depth (*typically 7mm to 10mm depending on loads*)

Edge Profiles: 17.5mm & Mid Joints: 17.5mm

| | Low E Coat | 70/39 Solar Control |
|-----------------|-------------------|----------------------------|
| U Value: | | |
| Air Fill = | 1.2 W/m2K* | 1.1 W/m2K* |
| Argon Fill = | 0.9 W/m2K* | 0.9W/m2K* |
| Krypton Fill= | 0.6 W/m2K* | 0.6 W/m2K |

(*delete as applicable to chosen cavity fill)

Light (Tv): Min 2% - Max 41% with Low E coat (*dependant on angle of Sun*)

Transmission Min 2% - Max 36% with 70/39Solar Control coating, (*dependant on angle of Sun*)

TSET(G Value): Min 10% - Max 32% with Low E coat (*dependant on angle of Sun*)

Min 9% - Max 26% with 70/39 Solar Control coating, (*dependant on angle of Sun*)

Fixing: In accordance with System manufacturers recommendations & Glaziers specific requirements

Sealant: Polysulphide Sealant to capped systems)
Structural Silicone to uncapped systems

Calculations - Glass thicknesses & type to be confirmed by system installer or facade engineer to meet loading & building requirements