

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

Project -
Architect –
Location -

UK Agent

VENA Ltd

Tel No. - 01992 677 656

Mob. - 0757 238 5151

Contact - John Godwin

e-mail - okalux@vena-ltd.co.uk

Manufacturer

OKALUX GmbH

Am Joespershecklein 1,
97828 Markttheidenfeld,
Germany

Contact - Nicole Amthor

e-mail – namthor@okalux.de

Specification (to be read in conjunction with INFOTEXT)

Product – "OKASOLAR W" double glazed vertical glazing with integrated mirror louver profiles for solar and glare control.

Build up: Outer Pane: ____mm Toughened H* /Heat strengthened Laminate plus low E coating **or**
69/37 Solar coating to #2
Cavity : 22mm with Okasolar Type F O/U Louvers
Cavity Fill Air */ Argon* / Krypton* Gas (*delete as required to suit Ug*)
Inner Pane: ____mm Toughened H* / Heat strengthened laminated* glass

Types: 50/17, 55/17 & 60/17 (*type determined by solar assessment*)

Restrictions: Louvers: Max. Length 1500mm, max. un-supported length 1000mm
Edge Cover: Min. 12mm PLUS sealant depth (*typically 7mm to 10mm depending on loads*)
Edge Profiles: 12mm Mid supports: 3.3mm Mid Joint profile: 23mm

	Low E Coat	69/37 Solar Control
U Value: Air Fill =	1.9 W/m2K*	1.8 W/m2K*
Argon Fill =	1.5 W/m2K*	1.4W/m2K*
Krypton Fill=	1.1 W/m2K*	1.0 W/m2K

(*delete as applicable to chosen cavity fill)

Light (Tv): Min 5% - Max 57% with Low E coat (*dependant on angle of Sun*)

Transmission Min 4% - Max 50% with 69/37 Solar Control coating, (*dependant on angle of Sun*)

TSET(G Value): Min 17% - Max 45% with Low E coat (*dependant on angle of Sun*)

Min 12% - Max 33% with 69/37 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 W" 3 Pane glazing with integrated light re-directing Louvers

Project -
Architect –
Location -

UK Agent

VENA Ltd

Tel No. - 01992 677 656

Mob. - 0757 238 5151

Contact - John Godwin

e-mail - okalux@vena-ltd.co.uk

Manufacturer

OKALUX GmbH

Am Joespershecklein 1,
97828 Markttheidenfeld,
Germany

Contact - Nicole Amthor

e-mail – namthor@okalux.de

Specification (to be read in conjunction with INFOTEXT)

Product – "OKASOLAR W" triple glazed vertical glazing with integrated mirror louver profiles for solar and glare control.

Build up: Outer Pane: ____mm Toughened H* /Heat Strengthened Laminate plus 69/37 Solar coating to #2
Cavity 1: 22mm with Okasolar Type F O/U Louvers
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

Types: 50/17, 55/17 & 60/17 (*type determined by solar assessment*)

Restrictions: Louvers: Max. length 1500mm, max. un-supported length 1000mm
Edge Cover: Min. 12mm PLUS sealant depth (*typically 7mm to 10mm depending on loads*)
Edge Profiles: 12mm Mid supports : 3.3mm Mid Joint profile :23mm

	Low E Coat	69/37 Solar Control
U Value: Air Fill =	1.1 W/m2K*	1.0 W/m2K*
Argon Fill =	0.8 W/m2K*	0.8W/m2K*
Krypton Fill=	0.6 W/m2K*	0.5 W/m2K

(*delete as applicable to chosen cavity fill)

Light (Tv): Min 4% - Max 50% with Low E coat (*dependant on angle of Sun*)

Transmission Min 4% - Max 44% with 69/37Solar Control coating, (*dependant on angle of Sun*)

TSET(G Value): Min 14% - Max 39% with Low E coat (*dependant on angle of Sun*)

Min 11% - Max 31% with 69/37 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