



**DECLARATION OF PERFORMANCE  
OF A SKYLIGHT RANGE**

According to Construction Products Council Directive UE

**Productrange designation (§2\*)**

**BLUECOIF THERM TREUIL**

**List of alternatives :**

**BLUECOIF THERM TREUIL (BIAISE)**

**Intended use (§3\*)**

Facade  Roof

§1\* : the full identification of the product is based on :

- its order number and date of production indicated on the tracking sticker

- its full designation : product range designation + alternative + infill + dimensions

DOP\_EN1873\_214,1\_BLUECOIF THERM TREUIL\_ANG

N° 214,1

**Name, registered trade name or trade mark and contact adress of the manufacturer (§4\*)**

Name : BLUETEK (Head office : ZI Nord les Pins - 37230 Luynes)

Production units location : HEXADOME : H01-ZI Nord les Pins - 37230 Luynes/H02-Rue Marc Seguin - 63600 Ambert // SIH : 501-Le Haras - 57430 Sarralbe // SODILIGHT : 502-Route de Saulon - 21220 Gevrey-Chambertin

**Product description (§3\*)**

NSHEV with a single flap, mechanical mechanism, reinforced insulation  
Renovation upstand height ≤ 600mm

**Intended use of the construction product, in accordance with the applicable harmonised technical specification (§3\*)**

Maximum authorized inclination of the plan to support the upstand :

- Hinges at the upper part of the slope, parrallel to the ridge : 3° (5%)
- Hinges at the bottom part of the slope, parrallel to the ridge : 25° (46%)
- Hinges perpendicular to the ridge : 25° (46%)

**Possible options (§3\*)**

Griddle  
UL 3000 (Area at the top of the upstand ≤ 2m²)

**System or systems of assessment and verification if constancy of performance of the construction product : (§6 7 \*)**

System 3 according to Annexe ZA of European Norm EN 1873, List of notified testing laboratories (and NANDO List Nr) : CSTC (NB 1136 ) / CSTB (NB 0679) / LINE (NB 0071) / Fraunhofer (NB 0765)

**Declared performances (§9\*)**

Criteria		Value obtained for this range				Reference EN1873	
Watertightness		Succeed				§ 5.3.1	
UL Classification for resistance to ascending loads		See table below				§ 5.4.1	
DL Classification for resistance to lowering loads		See table below				§ 5.4.2	
Shock resistance	Large sized soft body (SB)	SB1200 with a fall-arrest device				§ 5.4.3.2	
	Small sized hard body	Succeed				§ 5.4.3.1	
Total light transmission (td65)	td65	g	Fire reaction	Durability			
	PCA16 7 parois incolore	0,61	0,63	Bs2d0	ΔA, Cu0, Ku0		
Solar Factor (g)	PCA16 7 parois opale	0,52	0,54	Bs2d0	ΔA, Cu0, Ku0		
	PCA16 7 parois opaque gris alu	0	PND	Bs2d0	ΔA, Cu0, Ku0		
Complete skylight fire reaction	PCA16 7 parois calor control	0,23	0,31	Bs2d0	ΔA, Cu0, Ku0		
	PCA 20 7 parois opale	0,45	0,47	Bs2d0	ΔA, Cu0, Ku0		
Durability	PCA 20 7 Parois Transparent	0,46	0,49	Bs2d0	ΔA, Cu0, Ku0		
	Capot aluminium isolé	PND	PND	PND	PND		
Durability	PCA32 opalesscent	0,27	0,29	Bs2d0	ΔA, Cu0, Ku0		
	PCA32 transparent	0,37	0,4	Bs2d0	ΔA, Cu0, Ku0		
Durability	PCA 16 Pearl Inside	0,43	0,45	Bs1d0	PND		
	PCA 20 Pearl Inside	0,4	0,44	Bs1d0	PND		
Durability	BSL opale	0,41	0,35	Bs2d0	PND		
	BSL opalesscent	0,5	0,41	Bs2d0	PND		
Durability	DD PC incolore	0,85	0,87	Bs2d0	ΔI, Cu1, Ku1		
	DD PC opale	0,65	PND	Bs2d0	ΔI, Cu1, Ku1		
Durability	DD PMMA incolore	0,85	PND	E	ΔI, Cu1, Ku1		
	DD PMMA opale	0,78	PND	E	ΔI, Cu1, Ku1		§ 5.1
Durability	DD Pyramidal PMMA incolore	0,85	PND	E	ΔI, Cu1, Ku1		§ 5.5
	DD Pyramidal PMMA opale	0,78	PND	E	ΔI, Cu1, Ku1		§ 5.2
Durability	DD Choc PC incolore	0,85	0,87	Bs2d0	ΔI, Cu1, Ku1		
	DD Choc PC opale	0,65	PND	Bs2d0	ΔI, Cu1, Ku1		
Durability	DD Pyramidal PC incolore	0,85	PND	Bs2d0	ΔI, Cu1, Ku1		
	DD Pyramidal PC opale	0,65	PND	Bs2d0	ΔI, Cu1, Ku1		
Durability	TD PC incolore	0,78	PND	Bs2d0	ΔI, Cu1, Ku1		
	TD PC opale	0,6	PND	Bs2d0	ΔI, Cu1, Ku1		
Durability	TD PMMA incolore	0,78	PND	E	ΔI, Cu1, Ku1		
	TD PMMA opale	0,72	PND	E	ΔI, Cu1, Ku1		
Durability	TD Pyramidal PMMA incolore	0,78	PND	E	ΔI, Cu1, Ku1		
	TD Pyramidal PMMA opale	0,72	PND	E	ΔI, Cu1, Ku1		
Durability	TD Choc PC incolore	0,78	PND	Bs2d0	ΔI, Cu1, Ku1		
	TD Choc PC opale	0,6	PND	Bs2d0	ΔI, Cu1, Ku1		
Durability	PCA 16 mm + Dôme 1P PC OPALESCENT	0,42	0,45	Bs2d0	PND		
	PCA 20 mm + Dôme 1P PC OPALESCENT	0,36	0,39	Bs2d0	PND		
Durability	PCA 16 mm + Dôme 1P PC TRANSPARENT	0,56	0,59	Bs2d0	PND		
	PCA 16 mm + PYR 1P PC OPALESCENT	0,54	0,58	Bs2d0	PND		
Durability	PCA 16 mm + PYR 1P PC TRANSPARENT	0,56	0,59	Bs2d0	PND		
	PCA 20 mm + Dôme 1P PC TRANSPARENT	0,42	0,46	Bs2d0	PND		
Durability	PCA 20 mm + PYR 1P PC OPALESCENT	0,36	0,39	Bs2d0	PND		
	AP Air thightness Classification	See table below				§ 5.8	
Urc / Arc	Infill only Ut =	PCA16	2	W/m²K	§ 5.9		
		PCA20	1,7				
Urc / Arc	Urc Ref	ci alu isolé	0,8	W/m²K	§ 5.9		
		PCA32	1,15				
Urc / Arc	Complete rooflight for : PCA16;PCA20;ci alu isolé;PCA32;PCA Pearl Inside16;PCA Pearl Inside20;BSL	PCA Pearl Inside16	2,1	W/m²K	§ 5.9		
		PCA Pearl Inside20	1,9				
Urc / Arc	Complete skylight with other infills	BSL	1,07	W/m²K	§ 5.9		
		Double dôme	2,8				
Urc / Arc	Airbone noise indulation (Rw)	Double dôme choc	2,8	W/m²K	§ 5.9		
		Double dôme pyramidal	2,8				
Urc / Arc	Airbone noise indulation (Rw)	Triple dôme	2	W/m²K	§ 5.9		
		Triple dôme choc	2				
Urc / Arc	Airbone noise indulation (Rw)	PCA10+dôme	2,8	W/m²K	§ 5.9		
		PCA10+pyramide	2,8				
Urc / Arc	Airbone noise indulation (Rw)	PCA16+dôme	2	W/m²K	§ 5.9		
		PCA16+pyramide	2				
Urc / Arc	Airbone noise indulation (Rw)	PCA20+dôme	1,7	W/m²K	§ 5.9		
		PCA20+pyramide	1,7				
Urc / Arc	Airbone noise indulation (Rw)	Urc Ref	PND	W/m²K	§ 5.9		
		Complete rooflight for : PCA16;PCA20;ci alu isolé;PCA32;PCA Pearl Inside16;PCA Pearl Inside20;BSL	See table below				
Urc / Arc	Airbone noise indulation (Rw)	Complete skylight with other infills	PND	W/m²K	§ 5.9		
		Airbone noise indulation (Rw)	PND				

PND= Performance non determined



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**BLUECOIF THERM TREUIL**

List of alternatives :

**BLUECOIF THERM TREUIL (BIAISE)**

Intended use (§3\*)

Facade  Roof

§1\* : the full identification of the product is based on :

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DOP\_EN1873\_214,1\_BLUECOIF THERM TREUIL\_ANG

N° 214,1

Commercial dimensions	UL	DL	AP	Performances per infill											
				PCA 16		PCA 20		PCA 32		PCA 16 Pearl Inside		PCA 20 Pearl Inside		BSL	
				Upstand height 300mm		Upstand height 300mm		Upstand height 300mm		Upstand height 300mm		Upstand height 300mm		Upstand height 300mm	
cm				Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>
100/100	1500	3000	0,4	2,6	2,3	2,4	2,4	2,2	2,4	2,6	2,3	2,5	2,4	2,1	2,4
100/140	1500	3000	0,4	2,5	3	2,4	3	2,1	3,1	2,6	3	2,5	3	2,1	3,1
100/150	1500	3000	0,4	2,5	3,2	2,4	3,2	2,1	3,2	2,6	3,2	2,5	3,2	2,1	3,3
100/200	1500	3000	0,4	2,5	4	2,3	4	2,1	4,1	2,5	4	2,4	4	2	4,1
110/110	1500	3000	0,4	2,5	2,7	2,4	2,7	2,1	2,7	2,6	2,7	2,5	2,7	2,1	2,8
120/120	1500	3000	0,4	2,5	3	2,4	3,1	2,1	3,1	2,6	3	2,5	3,1	2,1	3,2
120/140	1500	3000	0,4	2,5	3,4	2,4	3,4	2,1	3,5	2,5	3,4	2,4	3,4	2	3,5
120/160	1500	3000	0,4	2,5	3,8	2,3	3,8	2	3,9	2,5	3,8	2,4	3,8	2	3,9
120/170	1500	3000	0,4	2,5	4	2,3	4	2	4,1	2,5	4	2,4	4	2	4,1
120/180	1500	3000	0,4	2,5	4,2	2,3	4,2	2	4,2	2,5	4,2	2,4	4,2	2	4,3
120/200	1500	3000	0,5	2,5	4,5	2,3	4,5	2	4,6						
120/220	1500	3000	0,5	2,4	4,9	2,3	4,9	2	5						
120/240	1500	3000	0,5	2,4	5,3	2,3	5,3								
130/130	1500	3000	0,4	2,5	3,4	2,4	3,4	2,1	3,5	2,5	3,4	2,4	3,4	2	3,6
140/140	1500	3000	0,4	2,5	3,8	2,3	3,8	2	3,9	2,5	3,8	2,4	3,8	2	4
140/160	1500	3000	0,4	2,5	4,2	2,3	4,3	2	4,3						
150/150	1500	3000	0,4	2,5	4,2	2,3	4,3								

The performance of the product identified in points §1 et §2 is in conformity with the declared performance in point §9.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point §4.

Signed for and on behalf of the manufacturer by Philippe FRITZINGER, President of BLUETEK  
The 01/03/2017 in Luynes

\* Chapter § numbers according to annexe 3 of CPR UE N°305/2011

[www.bluetek.fr](http://www.bluetek.fr)



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List of alternatives :

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Intended use (§3\*)

Facade  Roof

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DOP\_EN1873\_214,1\_BLUECOIF THERM TREUIL\_ANG

N° 214,1

Commercial dimensions	UL	DL	AP	Performances per infill														
				ci alu standard														
				Upstand height 300mm														
cm				Urc W/m².K	Arc m²													
100/100	1500	3000	0,4	2	2,4													
100/140	1500	3000	0,4	2	3,1													
100/150	1500	3000	0,4	1,9	3,3													
100/200	1500	3000	0,4	1,9	4,1													
110/110	1500	3000	0,4	2	2,8													
120/120	1500	3000	0,4	1,9	3,2													
120/140	1500	3000	0,4	1,9	3,5													
120/160	1500	3000	0,4	1,9	3,9													
120/170	1500	3000	0,4	1,9	4,1													
120/180	1500	3000	0,4	1,8	4,3													
120/200	1500	3000	0,5	1,8	4,7													
120/220	1500	3000	0,5	1,8	5,1													
120/240	1500	3000	0,5															
130/130	1500	3000	0,4	1,9	3,5													
140/140	1500	3000	0,4	1,9	4													
140/160	1500	3000	0,4	1,8	4,4													
150/150	1500	3000	0,4															

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**List of alternatives :**

**BLUECOIF THERM TREUIL (DROITE)**

**Intended use (§3\*)**

Facade  Roof

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N° 214

Name, registered trade name or trade mark and contact adress of the manufacturer (§4\*)

Name : BLUETEK (Head office : ZI Nord les Pins - 37230 Luynes)

Production units location : HEXADOME : H01-ZI Nord les Pins - 37230 Luynes/H02-Rue Marc Seguin - 63600 Ambert // SIH : 501-Le Haras - 57430 Sarralbe // SODILIGHT : 502-Route de Saulon - 21220 Gevrey-Chambertin

**Product description (§3\*)**

NSHEV with a single flap, mechanical mechanism, reinforced insulation  
Renovation upstand height ≤ 600mm

**Intended use of the construction product, in accordance with the applicable harmonised technical specification (§3\*)**

Maximum authorized inclination of the plan to support the upstand :

- Hinges at the upper part of the slope, parrallel to the ridge : 3° (5%)
- Hinges at the bottom part of the slope, parrallel to the ridge : 25° (46%)
- Hinges perpendicular to the ridge : 25° (46%)

**Possible options (§3\*)**

Griddle

UL 3000 (Area at the top of the upstand ≤ 2m²)

**System or systems of assessment and verification if constancy of performance of the construction product : (§6 7 \*)**

System 3 according to Annexe ZA of European Norm EN 1873, List of notified testing laboratories (and NANDO List Nr) : CSTC (NB 1136 ) / CSTB (NB 0679) / LINE (NB 0071) / Fraunhofer (NB 0765)

**Declared performances (§9\*)**

Criteria		Value obtained for this range				Reference EN1873
Watertightness		Succeed				§ 5.3.1
UL Classification for resistance to ascending loads		See table below				§ 5.4.1
DL Classification for resistance to lowering loads		See table below				§ 5.4.2
Shock resistance	Large sized soft body (SB)	SB1200 with a fall-arrest device				§ 5.4.3.2
	Small sized hard body	Succeed				§ 5.4.3.1
Total light transmission (td65)		td65	g	Fire reaction	Durability	
Solar Factor (g)						
Complete skylight fire reaction						
Durability						
AP Air tightness Classification		See table below				§ 5.8
Urc / Arc	Infill only Ut =					
	Urc Ref	PND				
	Complete rooflight for : PCA16;PCA20;ci alu isolé;PCA32;PCA Pearl Inside16;PCA Pearl Inside20;BSL	See table below				
	Complete skylight with other infills	PND				
	Airborne noise indulation (Rw)	PND				§ 5.10

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DOP\_EN1873\_214\_BLUECOIF THERM TREUIL\_ANG

N° 214

Commercial dimensions	UL	DL	AP	Performances per infill											
				PCA 16		PCA 20		PCA 32		PCA 16 Pearl Inside		PCA 20 Pearl Inside		BSL	
				Upstand height 110mm		Upstand height 110mm		Upstand height 110mm		Upstand height 110mm		Upstand height 110mm		Upstand height 110mm	
cm				Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>	Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>
90/90	1500	3000	0,4	3,1	1,7	2,9	1,7	2,5	1,7	3,1	1,7	3	1,7	2,5	1,8
100/100	1500	3000	0,4	3	1,9	2,8	2	2,5	2	3,1	1,9	2,9	2	2,4	2
100/140	1500	3000	0,4	2,9	2,5	2,7	2,5	2,4	2,6	3	2,5	2,8	2,5	2,3	2,6
100/150	1500	3000	0,4	2,9	2,7	2,7	2,7	2,3	2,7	3	2,7	2,8	2,7	2,3	2,8
100/200	1500	3000	0,4	2,8	3,4	2,6	3,4	2,3	3,5	2,9	3,4	2,8	3,4	2,2	3,5
110/110	1500	3000	0,4	2,9	2,2	2,8	2,3	2,4	2,3	3	2,2	2,9	2,3	2,3	2,4
120/120	1500	3000	0,4	2,9	2,6	2,7	2,6	2,3	2,6	3	2,6	2,8	2,6	2,3	2,7
120/140	1500	3000	0,4	2,9	2,9	2,7	2,9	2,3	3	2,9	2,9	2,8	2,9	2,2	3
120/160	1500	3000	0,4	2,8	3,2	2,6	3,2	2,2	3,3						
120/170	1500	3000	0,5	2,8	3,4	2,6	3,4	2,2	3,5						
120/180	1500	3000	0,5	2,8	3,5	2,6	3,6	2,2	3,6						
130/130	1500	3000	0,4	2,9	2,9	2,7	2,9	2,3	3	2,9	2,9	2,8	2,9	2,2	3
140/140	1500	3000	0,4	2,8	3,2	2,6	3,3								

The performance of the product identified in points §1 et §2 is in conformity with the declared performance in point §9.

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Signed for and on behalf of the manufacturer by Philippe FRITZINGER, President of BLUETEK  
The 01/03/2017 in Luynes

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				ci alu standard													
				Upstand height 110mm													
cm				Urc W/m <sup>2</sup> .K	Arc m <sup>2</sup>												
90/90	1500	3000	0,4	2,3	1,8												
100/100	1500	3000	0,4	2,2	2												
100/140	1500	3000	0,4	2,1	2,6												
100/150	1500	3000	0,4	2,1	2,8												
100/200	1500	3000	0,4	2	3,5												
110/110	1500	3000	0,4	2,2	2,4												
120/120	1500	3000	0,4	2,1	2,7												
120/140	1500	3000	0,4	2	3												
120/160	1500	3000	0,4	2	3,4												
120/170	1500	3000	0,5	2	3,5												
120/180	1500	3000	0,5	2	3,7												
130/130	1500	3000	0,4	2	3												
140/140	1500	3000	0,4														

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