bluetek
De nature à créer le bien-être

DECLARATION OF PERFORMANCE OF A SKYLIGHT RANGE

According to Construction Products Council Directive UE

Productrange designation (§2*)

BLUESTEEL RPT PNEU+ACCES VOILE DOME

List of alternatives :

BLUESTEEL RPT PNEU+ACCES VOILE DOME (DROITE)

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_417,2_BLUESTEEL RPT PNEU+ACCES VOILE DOME_ANG *N° 417,2*

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 : S01-Le Haras - 57430 Sarralbe // SODILIGHT : S02-Route de Saulon - 21220 Gevrey-Chambertin

Product description (§3*)

NSHEV and roof access and zenithal lighting skylight with a single flap, pneumatic mechanism, thermally broken profile
External sun protection dissociated from the glazing
Steel upstand height ≤ 600mm with aluminium thermally broken profile

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

Maximum authorized inclinaiton 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%)
Maximum inclination 15° or 26% in case of pneumatic and electric cylinder

Possible options (§3*)

Griddle

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) / LNE (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) Solar Factor (g) Complete skylight fire reaction Durability		td65	g	Fire reaction	Durability	§ 5.1 § 5.5 § 5.2
	PCA 20 7 parois opale	0,45	0,47	Bs2d0	ΔA, Cu0, Ku0	
	PCA 20 7 Parois Transparent	0,46	0,49	Bs2d0	ΔA, Cu0, Ku0	
	PCA 20 Pearl Inside	0,4	0,44	Bs1d0	PND	
AP Air thightness Classification		See table below				§ 5.8
Urc / Arc	Infill only Ut =	PCA20 PCA32.PCA Pearl Inside16 PCA Pearl Inside20			1,7 1,9 W/m²K	§ 5.9
	Urc Ref	PND				
	Complete rooflight for : PCA20;PCA32.PCA Pearl Inside16;PCA Pearl Inside20	See table below				
	Complete skylight with other infills	PND				
Airbone noise indulation (Rw)		PND				§ 5.10

PND= Performance non determined

Productrange designation (§2*)

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Commercial dimensions				Performances per infill											
				PCA 20		PCA 32		PCA 16 Pearl Inside		PCA 20 Pearl Inside					
Bottom of upstand	UL	DL	AP	Upstand height 500mm		Upstand height 500mm		Upstand height 500mm		Upstand height 500mm					
cm				Urc W/m².K	Arc m²	Urc W/m².K	Arc m²	Urc W/m².K	Arc m²	Urc W/m².K	Arc m²				
80/80	1500	1500	PND	1,5	2,7	1,3	2,8	1,6	2,7	1,6	2,7				
80/80	1500	1500	PND	1,5	2,7	1,3	2,8	1,6	2,7	1,6	2,7				
80/130	1500	1500	PND	1,5	3,8	1,3	3,8	1,6	3,7	1,6	3,8				
90/90	1500	1500	PND	1,5	3,2	1,3	3,2	1,6	3,1	1,6	3,2				
100/100	1500	1500	PND	1,5	3,6	1,3	3,7	1,6	3,6	1,6	3,6				
110/110	1500	1500	PND	1,5	4,1	1,3	4,1	1,6	4	1,6	4,1				
120/120	1500	1500	PND	1,5	4,5	1,3	4,6	1,7	4,5	1,6	4,5				
130/130	1500	1500	PND	1,5	5	1,3	5,1	1,7	5	1,6	5				

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 responsability of the manufacturer identified in point §4.

Signed for and on behalf of the manufacturer by Philippe FRITZINGER, President of BLUETEK
The 13/04/2017 in Luynes

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