

INDUSTRIAL LINE

GROUP	SOLUTION CLASS	NUMB	SYSTEM IDENTIFICATION	DESCRIPTION	CONFORMITY A	PARAMETERS A	CONFRMITY B	PARAMETERS B	
ROOF SOLUTIONS									
A	Roofing solutions for natural lighting	GLOS DL	I.A.1	Glos DL BT	arched continious rooflight	EN 15 088 EN 13501 EN 10142/90	SL 75-200 WL 50-100 B - s1,d0 - 30 to +100°C	1) EN 1873:2005- J 1200 FIRES-MP-027-12 AUNE	1) J 1200- impact of large and small body
			I.A.1.2	Glos DL BT EXT GA				1) EN 1873:2005- J 1200 FIRES-MP-027-12 AUNE 2) EN 1026:2003- Solar projects, Pr. 75/2013 3) EN 10 077-1,2- Solar projects, Pr. 21/2013	1) J 1200- impact of large and small body 2) Class 2 EN ISO12 207- air permeability 3) 1,32 W/m2.K - calculation of the heat transfer coefficient for the whole system
			I.A.2	Glos DL SS	vertical rooflight	EN 15 088 EN 13501 EN 10142/90	WL 50-100 B - s1,d0 - 30 to +100°C		
			I.A.3	Glos DL TR	pyramid rooflight	EN 15 088 EN 13501 EN 10142/90	SL 75-200 WL 50-100 B - s1,d0 - 30 to +100°C		
		GLOS SS/TW	I.B.1	Glos SS	NSHEV with pneumatic opening sytem; TW - Solution for integrating two ventilation elements in a single housing	EN 12 101-2 1396-CPD-0041	WL 1500 SL 500-1000 T(00) B 300 RE 1000 Aa	1) EN 1873:2005- J 1200 FIRES-MP-027-12 AUNE	1) J 1200- impact of large and small body
			I.B.1.2	Glos SS EXT GA	NSHEV with pneumatic opening sytem	EN 12 101-2 1396-CPD-0041	WL 1500 SL 500-1000 T(00) B 300	1) EN 12 567-1/ EN ISO 140-3- ITT- 003 Weiss Profil 2) EN 12 567-1/ EN ISO 140-3- ITT- 019 Weiss Profil 3) EN 1873:2005- J 1200 FIRES-MP-024-12 AUNE	1) 0,90 W/m2.K и 0,33 db - EN 14351-1 2) 0,90 W/m2.K и 0,38 db - EN 14351-1 3) J 1200- impact of large and small body

B	Roof solutions for smoke and heat ventilation and natural ventilation	GLOS FF/TW	I.B.1.3	Glos SS EXT GB			RE 1000 Aa	1) EN 1873:2005- J 1200 FIRES-MP-024-12 AUNE 2) EN 1026:2003- Solar projects, Pr. 77/2013 3) EN 10 077-1,2- Solar projects, Pr. 27/2013	1) J 1200- impact of large and small body 2) Class 3 - EN ISO12 207- air permeability 3) 1,66 W/m2.K - calculation of the heat transfer coefficient for the whole system
			I.B.2	Glos FF				1) EN 1873:2005- J 1200 FIRES-MP-027-12 AUNE	1) J 1200- impact of large and small body
			I.B.2.1	Glos FF EXT GA	NSHEV with pneumatic opening sytem; TW - Solution for integrating two ventilation elements in a single housing	EN 12 101-2 1396-CPD-0053	WL 750-1500 SL 300- 500 T(00) B 300 RE 1000 Aa	1) EN 1873:2005- J 1200 FIRES-MP-025-12 AUNE 2) EN 1026:2003- Solar projects, Pr. 76/2013 3) EN 10 077-1,2- Solar projects, Pr. 26/2013	1) J 1200- impact of large and small body 2) Class 2 no EN ISO12 207- air permeability 3) 1,39 W/m2.K - calculation of the heat transfer coefficient for the whole system
			I.B.2.2	Glos FF EXT GB				1) EN 10 077-1,2- Solar projects, Pr. 3, 4, 5, 6/2014 2) EN 10 077-1,2- Solar projects, Pr. 16, 17, 18, 19/2014	1) 1-1,39 W/m2.K - calculation of the heat transfer coefficient for the whole system 2) 1,04-1,52 W/m2.K - calculation of the heat transfer coefficient for the whole system
		GLOS FF EL BLOCK 10/TW	I.B.3	Glos FF EL BLOCK 10	NSHEV with electric opening sytem; TW - Solution for integrating two ventilation elements in a single housing	EN 12 101-2 1396-CPR-0111	WL 550-1500 SL 250- 750 T(00) B 600 RE 50 Le 10 000 Aa		
			I.B.3.1	Glos FF EL BLOCK 10 EXT GA				1) EN 10 077-1,2- Solar projects, Pr. 16. 3, 4, 5, 6/2014 2) EN 10 077-1,2- Solar projects, Pr. 16, 17, 18, 19/2014	1) 1-1,39 W/m2.K - calculation of the heat transfer coefficient for the whole system 2) 1,04-1,52 W/m2.K - calculation of the heat transfer coefficient for the whole system
			I.B.3.2	Glos FF EL BLOCK 10 EXT GB				1) EN 10 077-1,2- Solar projects, Pr. 6/2016	1) 0,86 W/m2.K - calculation of the heat transfer coefficient for the whole system

		I.B.4	GLOS SV/TW	Glos SV	NSHEV with electric opening sytem; TW - Solution for integrating two ventilation elements in a single housing	EN 12 101-2 1396-CPD-0030	WL 600-1250 SL 200-700 T(00) B 300/600 RE 1000 Le 10 000 Aa	1) EN 10 077-1,2- Solar projects, Pr. 3, 4, 5, 6/2014 2) EN 10 077-1,2- Solar projects, Pr. 16, 17, 18, 19/2014	1) 1-1,39 W/m2.K - calculation of the heat transfer coefficient for the whole system 2) 1,04-1,52 W/m2.K - calculation of the heat transfer coefficient for the whole system
		I.B.4.1		Glos SV EXT GA					
		I.B.4.2		Glos SV EXT GB					
		I.B.5	GLOS E85R	Glos E85R	NSHEV roof type with electric opening	EN 12 101-2 1396-CPR-0072	WL 780/3000 SL 450/1000 T(00) B 300/600 RE 1000 Le 10 000 Aa	1) EN 1026:2000/EN 12 207:2000 2) EN 1027:2000/ EN 12 208:2000 3) EN 12 211:2000/ EN 12 210:2000	1) Class 3 - EN ISO 12 207- air permeability 2) Class 6A - EN ISO 12 208 - water permeability 3) Class C5 - EN ISO 12 210 - wind resistance
		I.B.6		NYMBUS RLAM	Nymbus RLAM	NSHEV roof type with lamellas	EN 12 101-2	WL 1500 SL 125-750(2000) T(00) B 300 RE 1000 Aa	1) EN 1026:2003
		C	Industrial ventilation	I.C.1	OS HM	Glos HM A	Natural ventilation unit for removing a heat emissions	EN 12101-2 ISO 9001: 2008	WL 1500 SL 500-1000 B 300/600 RE 1000 Le 10 000
I.C.2	Glos HM B								
I.C.3	Glos HM C								

		I.C.4	GL	Glos HM D			SL 500-1000 B 300/600 RE 1000 Le 10 000		
		I.C.5		Glos HM E					
		I.C.6		Glos HM F					
FAÇADE SOLUTION									
E	Façade solutions for natural lighting	I.E.1	GLOS DL V	Glos DL V PC	polycarbonate façade for natural lighting and ventilation	EN 15 088 EN 13501-1 EN 10142/90	WL 50-100 SL 0 B - s1,d0 - 30 to +100°C		U = 3,0 - 0.98 W/m ² K
		I.E.2		Glos DL V G	glass façade for natural lighting and ventilation	EN 15 088 EN 13501 EN 10142/90 EN 572-7 EN 12600			U = 1.8 W/m ² K
F	Facade solutions for smoke extraction and natural ventilation	I.F.1	GLOS E45	Glos E45	NSHEV façade type - electric/pneumatic opening	EN 12 101-2 1396-CPR-0045	WL 1000/1150 SL 0 T(00) B 300 RE 1000 LE 10 000 Aa	1) EN 1026:2000/ EN 12 207:2000 2) EN 1027:2000/ EN 12 208:2000 3) EN 12 211:2000/ EN 12 210:2000	1) Class 4 - EN ISO 12 207- air permeability 2) Class E1200 - EN ISO 12 208 - water permeability 3) Class C5 - EN ISO 12 210 - wind resistance
		I.F.2		NYMBUS FLAM	Nymbus FLAM	Façade NSHEV lamellas type	EN 12 101-2	WL 1000 SL 0 T (00) B 300 RE 1000 Le 10 000 Aa	1) EN 410: EN 673: EN 13 363-2
		I.F.2.1	Nymbus FLAM EXT						
		I.F.3	GLOS IA	Glos IA	compensation flaps / inflow ventilation flaps	89/106EEC	WL 1000/1150 SL 0 T(00) Le 10 000 Aa	1) EN 1026:2000/EN 12 207:2000 2)EN 1027:2000/ EN 12 208:2000 3) EN 12 211:2000/ EN 12 210:2000	1) Class 4 - EN ISO 12 207- air permeability 2) Class E1200 - EN ISO 12 208 - water permeability 3) Class C5 - EN ISO 12 210 - wind resistance

SOLUTIONS FOR LIMITING THE SPREAD OF SMOKE AND FIRE

G	Solutions for limiting the spread of fire smoke products	I.G.1	NYMBUS SC	Nymbus SC FIX	Fixed smoke curtain for limiting and channeling the smoke output	EN 12101-1	D 60/120/180		
		I.G.2		Nymbus SC DYN	Automatic smoke curtain for limiting and channeling the smoke output				
H	Solutions for limiting the spread of fire	I.H.1	NYMBUS FC	Nymbus FC DYN	Automatic fire curtain for limiting the fire	EN 13501 EN 1634-1 EN ISO 13934-1	EI 30/120		

FUNCTIONAL ADDITIVES

I	Additives for extending functional parameters of the decisions of Group A + G	I.I.1	ADDITIONAL		burglar grilles				
		I.I.2			safety grids				
		I.I.3			birds screens				
		I.I.4			insects screens				
		I.I.5			solutions against hail				
		I.I.6			External venetian blinds - fixed				
		I.I.7			Internal venetian blinds - fixed				
		I.I.8			ventilated board / suffix				
		I.I.9			holders for safety ropes				

