



SMART WITH DAYLIGHT

Price list MEGALUX® skydomes 2022





SMART WITH DAYLIGHT

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MEGALUX[®]
skydomes



SMART WITH DAYLIGHT

About Van Deudekom Plastics

Van Deudekom Plastics is an ISO 9001 certified company with longtime experience in rooflight systems since 1972. With Megalux®-skydomes for flat roofs program Van Deukom Plastics has developed a strong position in the European market.

All Megalux®-skydomes are tested independently by European notified bodies and are produced according to high industrial European standards EN 1873 and EN 12101-2.

Corporate Social Responsibility (CSR)

Van Deudekom Plastics believes that sustainable entrepreneurship is important. In practice, this is expressed by making fair and social agreements, sustainable purchasing and a tight focus on environmental protection. CSR within Van Deudekom Plastics is a social awareness process, energy and cost savings.



Clean Sweep NRK

With the motto 'every gram counts', the NRK (Dutch Rubber and Plastics Industry) has developed the Clean Sweep campaign, which Van Deudekom Plastics has recently joined. This online tool maps where residual waste and litter can occur in the plastics and rubber processing companies and proposes concrete measures to handle these issues.

Each company member optimizes its operations and limits residual waste and litter inside and outside the premises. This is good for the organization and ultimately contributes to less environment waste.

Durability

By using Megalux®-skydomes, you invite the sun into your home. With sufficient daylight, our body produces more vitamins, we feel fitter and increases our productivity. Daylight increases energy and helps our biorhythm. People who have had sufficient daylight during the day feel more comfortable and sleep better at night.

With a Megalux®-skydome, the indoor climate can adapt naturally and you are assured of good insulation and ventilation. Where there is light, there is a sense of security and less mistakes are made.

Why turn on lights unnecessarily when you can invite daylight into your house.

Using Megalux®-skydomes the energy costs for artifal lighting will be reduced for about fifty procent. By using this you also will profit of a heating source. Thanks to the latest techniques, daylight products and insulation go hand in hand. If you choose for sustainable, you choose for Megalux®-skydomes



Daylight is not an unnecessary luxury, it is an absolute necessity. For our well-being, our safety and in accordance with regulations. Specific requirements are mentioned in the Building Decree and the Working Conditions Decree.

The Megalux®-skydomes can therefore be looked up in the national environmental database. This indicates, based on the life cycle inventory, how environmentally friendly a skydome actually is.

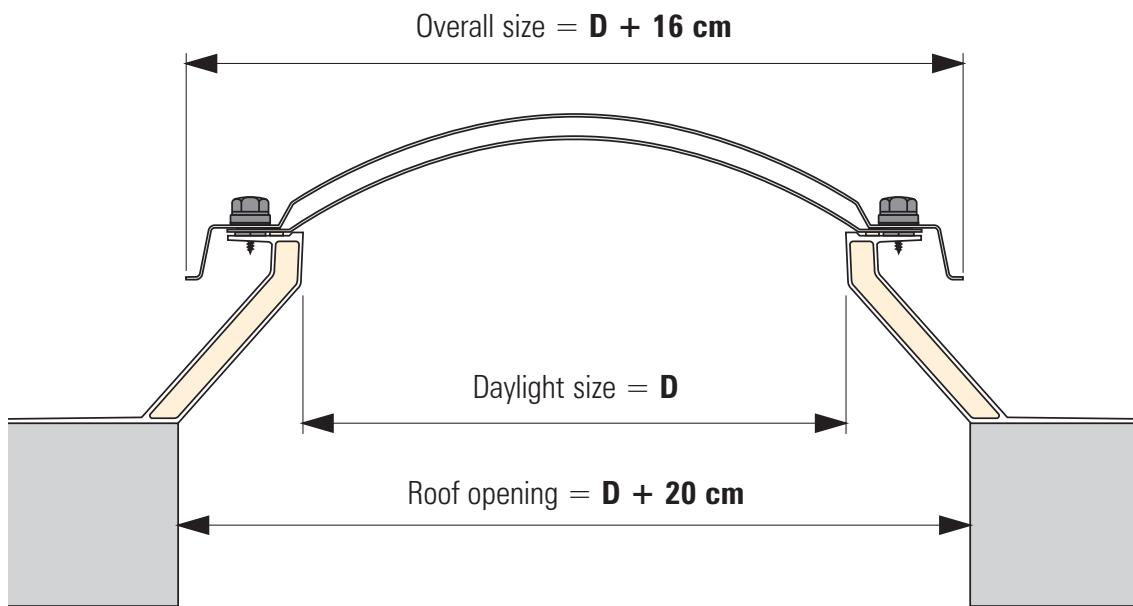
At Van Deudekom Plastics we are continuously improving our processes to a better CO2 neutral society.



Skydome opal with curb PVC BF16EP



Information skydomes acrylic (AC) and skydomes polycarbonate (PC)



Skydome versions

- Multi skinned skydomes in opal are produced with clear inner shells.
- Three and four skinned pyramid skydomes are standard produced with one or two curved inner shell/shells.
- Multi skinned polycarbonate skydomes are standard produced with a clear outer shell of polycarbonate (PC) and an inner shell of clear or opal acrylic (AC).
- On request and against extra payment the skydomes are also available in various colours and in Heatstop.

Skydome utilization

- Single skinned Megalux®-skydomes can be used in uninsulated and unventilated areas.
- Multi skinned Megalux®-skydomes are so constructed that the space between the skins is optimized for maximum insulation.
- Polycarbonate skydomes are made of high impact material which delays burglarly.



ISO-domes

Due to a multiwall, inner skinned ISO-domes have a very low U-value and are therefore excellent suitable for living environments. ISO-domes consists of an inner and outer opal AC shell, within a PC multiwall clear shell to guarantee high insulation.

High impact polycarbonate skydomes

The impact strength of polycarbonate is 300 times stronger than glass, so it is almost unbreakable. Together with the Megalux®-anti burglar bar the polycarbonate skydome is a strong weapon against uninvited guests.

Maintenance

- Skydomes can only be cleaned with a mild household detergent and lots of water.
- Do avoid contact of skydomes with silicones, adhesives, solvents and bitumen (list of restrictions available on request).

High impact polycarbonate fixings

Megalux®-skydomes are completed with an uniquely fixing system made of high impact polycarbonate. Fixing consists of: a screw, a cap and security insert to slowdown intruders.

The EPDM sealing rings have a permanent elasticity. The whole system is made in gray, which guarantees least possible thermal load.

The Megalux®-fixture system is universal and therefore useable with all parts of the program.

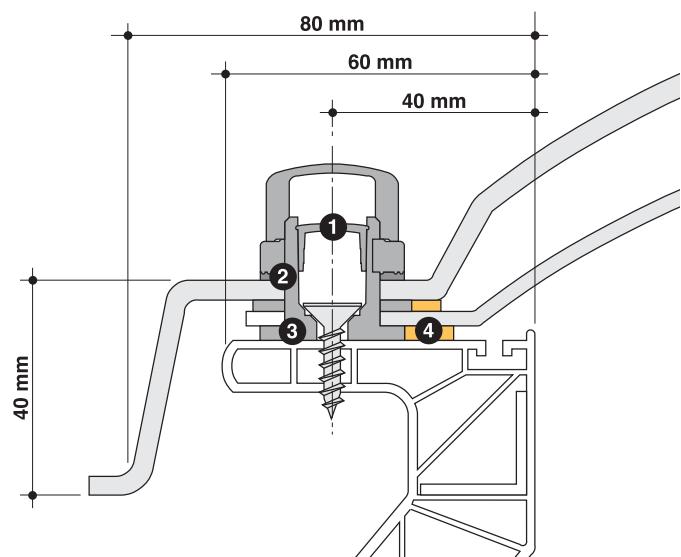
The whole system is designed for a fast end, above all, hassle-free/easy mounting.

1) Anti-burglary cap

2) EPDM ring

3) Optimum distance

4) PE tape



Skydomes acrylic (AC)



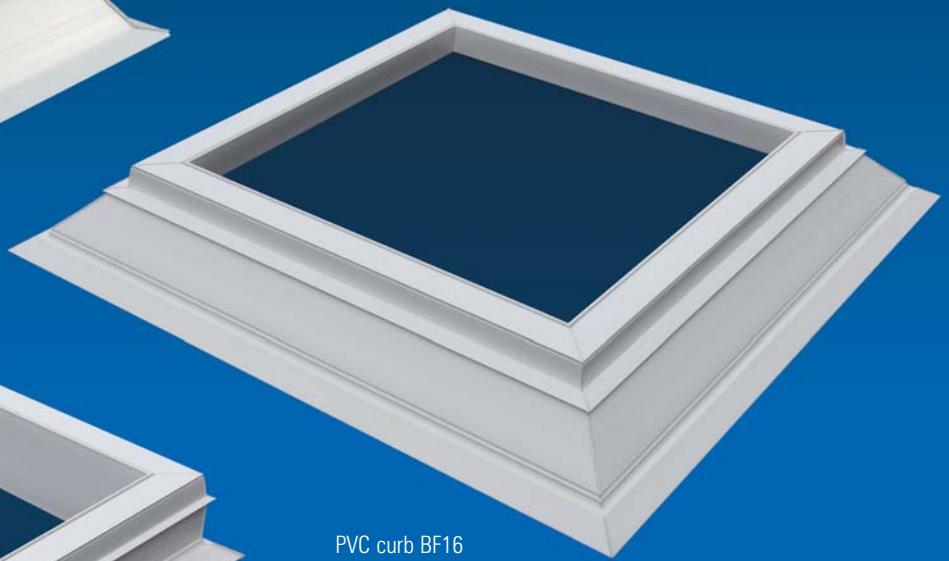
Daylight size D in cm	Dome				Pyramid				ISO-Dome 6-S AC/PC/AC
	1-S AC	2-S AC/AC	3-S AC/AC/AC	4-S AC/AC/AC/AC	1-S AC	2-S AC/AC	3-S AC/AC/AC	4-S AC/AC/AC/AC	
30 x 30	84	111	143	176					194
40 x 40	91	124	157	188	129	178	212	247	248
50 x 50	109	157	207	257					270
55 x 55	120	171	223	277					275
60 x 60	129	175	226	278	177	240	296	350	401
70 x 70	134	202	277	351	188	278	360	441	332
75 x 75	152	238	332	430					435
80 x 80	160	257	365	474	222	359	473	585	666
90 x 90	182	294	415	537	259	405	535	666	490
100 x 100	206	321	439	560	293	430	571	713	525
105 x 105	238	406	590	775					708
110 x 110	254	433	622	810					746
120 x 120	290	478	675	871	393	619	850	1079	810
130 x 130	354	529	717	906	474	685	906	1125	860
140 x 140	407	664	937	1211					1144
150 x 150	507	768	1045	1321	683	996	1322	1651	1266
160 x 160	560	866	1196	1526	752	1128	1509	1890	1427
180 x 180	741	1216	1724	2231	927	1520	2020	2522	
200 x 200	1085	1842	2646	3451	on request	on request	on request	on request	
220 x 220	on request	on request	on request	on request					
230 x 230	on request	on request	on request	on request					
250 x 250	on request	on request	on request	on request					
30 x 80	110	162	217	271					259
30 x 130	162	223	289	357					348
40 x 70	111	167	226	285					275
40 x 100	137	209	285	360					318
40 x 190	248	366	492	618					590
50 x 100	153	222	300	377					339
50 x 110	154	249	351	453					423
60 x 90	152	240	338	434	207	330	438	544	390
60 x 130	201	310	430	549					512
70 x 100	170	268	373	477					443
70 x 130	210	330	456	583					572
75 x 125	217	344	478	615					574
75 x 175	297	455	624	792					751
80 x 130	230	356	488	620					583
80 x 160	301	471	648	829					
80 x 180	310	490	682	875					818
80 x 220	441	643	860	1079					1032
80 x 230	455	658	871	1087					
80 x 250	486	731	992	1253					
80 x 280	531	884	1253	1625					
90 x 120	256	429	608	788	354	584	784	981	618
90 x 150	308	500	709	918	423	688	915	1142	852
90 x 180	339	574	823	1070	468	786	1060	1334	959
100 x 130	278	411	559	704					665
100 x 150	312	507	713	921					879
100 x 160	322	522	737	952					906
100 x 190	438	666	921	1174					1105
100 x 200	443	672	926	1178	638	936	1217	1501	1119
100 x 220	475	705	955	1204					1155
100 x 230	525	814	1121	1425					
100 x 250	561	901	1259	1620					
100 x 280	603	973	1362	1750					
105 x 230	543	926	1334	1743					1601
120 x 150	375	655	951	1246	516	896	1217	1540	1140
120 x 180	430	745	1087	1427	590	1023	1396	1770	1302
120 x 210	555	876	1216	1558	699	1200	1575	1950	1460
130 x 160	407	713	1042	1368					1249
130 x 190	544	856	1191	1524					1427
130 x 220	611	955	1321	1691					1587
130 x 230	634	1018	1424	1830					
130 x 250	656	1143	1663	2183					
130 x 280	807	1276	1774	2272					
160 x 190	635	1046	1483	1920					1778
160 x 220	751	1187	1668	2149					
160 x 230	809	1316	1876	2432					
160 x 250	935	1412	1935	2460					
160 x 280	1032	1589	2203	2817					
180 x 280	1015	1553	2150	2744					

Skydomes polycarbonate (PC)

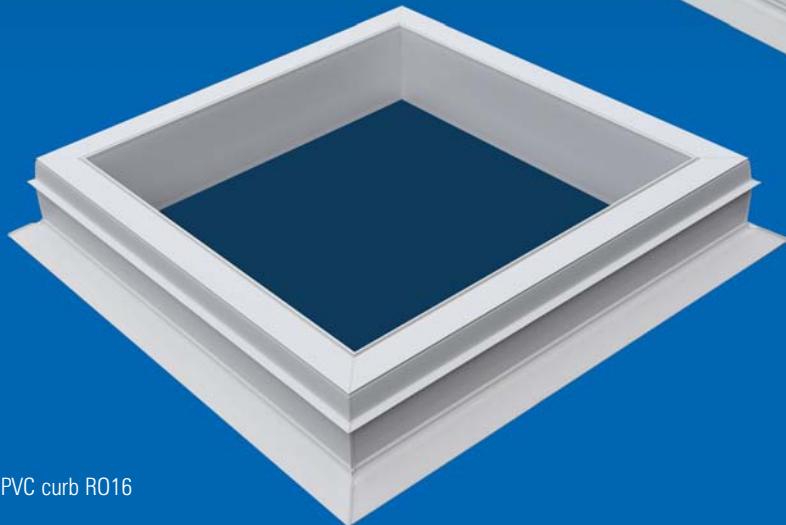
Daylight size D in cm	Dome						Pyramid				ISO-Dome	
	1-S PC	2-S PC/AC	2-S PC/PC	3-S PC/AC/AC	3-S PC/AC/PC	4-S PC/AC/AC/AC	1-S PC	2-S PC/AC	2-S PC/PC	3-S PC/AC/AC	6-S PC/PC/AC	
30 x 30	111	141	161	173	180	202	162	212	220	260	222	
40 x 40	116	153	167	192	195	230					264	
50 x 50	133	175	207	228	236	277					308	
55 x 55	156	209	229	264	271	323					322	
60 x 60	158	221	247	286	290	351	210	308	323	405	399	
70 x 70	188	268	303	349	362	431	254	357	371	461	438	
75 x 75	203	276	341	357	395	469					522	
80 x 80	251	344	430	441	497	541	330	457	527	585	590	
90 x 90	293	396	508	535	579	615	385	529	623	672	644	
100 x 100	334	439	579	585	620	658	439	586	731	734	771	
105 x 105	359	471	627	636	703	793					832	
110 x 110	397	518	636	664	719	867						
120 x 120	479	637	809	821	918	971	630	852	993	1073	970	
130 x 130	546	723	921	930	1046	1100	714	971	1130	1225	1056	
140 x 140	685	906	1175	1220	1328	1379					1386	
150 x 150	758	1004	1300	1350	1469	1526	992	1341	1599	1692	1500	
160 x 160	834	1108	1540	1582	1694	1726	1094	1477	1919	1862	1670	
180 x 180	968	1335	1806	1846	2082	2270	1268	1789	2222	2309		
200 x 200	on request	on request	on request	on request	on request	on request						
220 x 220												
230 x 230												
250 x 250												
30 x 80	141	188	212	238	247	287					286	
30 x 130	238	339	347	445	451	550					464	
40 x 70	145	203	222	259	263	318					309	
40 x 100	167	235	293	305	344	385					342	
40 x 190	392	492	646	671	708	711					716	
50 x 100	194	260	321	334	366	408					378	
50 x 110	204	290	344	377	411	486					464	
60 x 90	234	304	354	385	401	468	304	405	477	507	452	
60 x 130	302	423	527	548	616	672					622	
70 x 100	277	359	461	474	515	530					534	
70 x 130	348	451	569	596	639	668					692	
75 x 125	350	452	580	601	647	674					683	
75 x 175	499	656	755	821	859	987					951	
80 x 130	373	496	611	635	699	771					722	
80 x 160	495	681	816	852	954	1022						
80 x 180	521	731	860	912	1019	1095					1058	
80 x 220	635	835	922	1047	1060	1259					1225	
80 x 230	659	878	978	1108	1130	1340						
80 x 250	699	1004	1108	1322	1344	1644						
80 x 280	900	1147	1294	1424	1455	1700						
90 x 120	370	482	584	634	662	818	481	647	718	813	674	
90 x 150	416	619	696	831	855	1043	550	813	852	1078	971	
90 x 180	477	712	850	923	1037	1136	635	934	1042	1233	1097	
100 x 130	423	553	735	775	827	837					808	
100 x 150	451	653	756	865	912	1079					1026	
100 x 160	508	689	875	882	1006	1073					1074	
100 x 190	615	814	1060	1068	1200	1256					1251	
100 x 200	638	868	1107	1116	1274	1361	839	1165	1241	1489	1315	
100 x 220	735	952	1178	1179	1319	1406					1400	
100 x 230	754	994	1179	1251	1344	1526						
100 x 250	804	1112	1346	1439	1574	1768						
100 x 280	906	1298	1635	1718	1940	2135						
105 x 230	818	1136	1285	1451	1601	1866					1812	
120 x 150	672	848	980	1022	1157	1333	939	1185	1371	1433	1333	
120 x 180	755	1022	1190	1288	1455	1553	1057	1432	1663	1803	1580	
120 x 210	834	1180	1314	1525	1659	1871	1167	1651	1840	2133	1766	
130 x 160	739	931	1081	1122	1271	1464					1467	
130 x 190	814	1118	1285	1421	1588	1726					1691	
130 x 220	902	1275	1632	1651	1796	2028					1907	
130 x 230	927	1326	1678	1726	1863	2126						
130 x 250	980	1451	1775	1921	2016	2392						
130 x 280	1112	1644	1919	2178	2286	2712						
160 x 190	977	1386	1691	1796	1955	2207					2119	
160 x 220	1081	1532	1865	1981	2156	2430						
160 x 230	1117	1648	1923	2182	2292	2716						
160 x 250	1185	1749	2044	2312	2429	2877						
160 x 280	1284	1898	2215	2513	2641	3128						
180 x 280	1269	1880	2197	2493	2619	3104						



PVC curb SF16

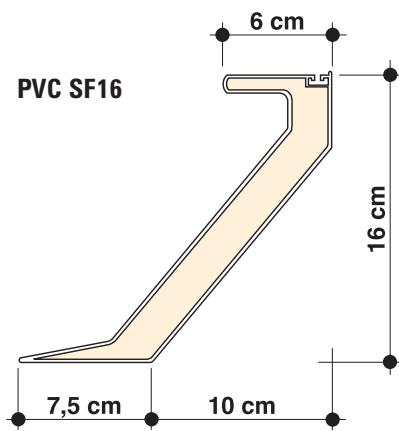


PVC curb BF16

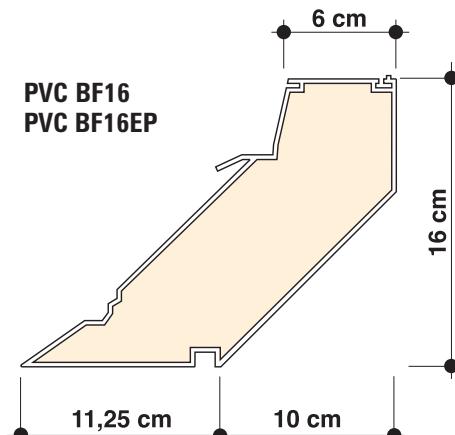


PVC curb R016

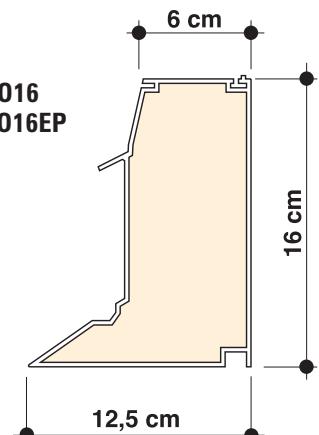
Information curbs PVC



PVC SF16



PVC BF16
PVC BF16EP



PVC R016
PVC R016EP

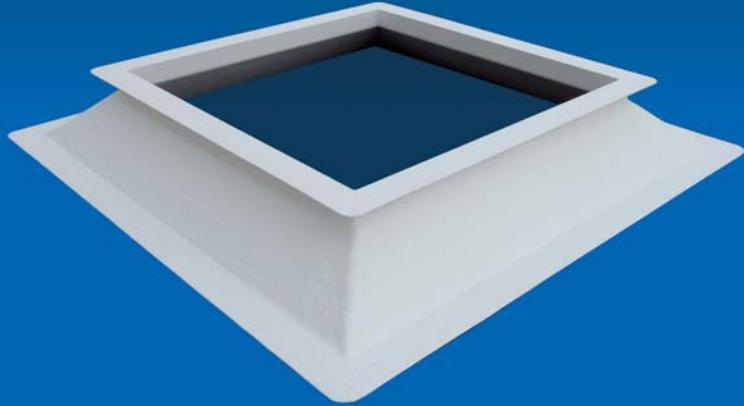
For good insulation the PVC curbs are double skinned and can be provided with extra EPS insulation. For optimum connection with the roof the outside of the curb is rough. The PVC curbs are completely recyclable.

Standard versions type:

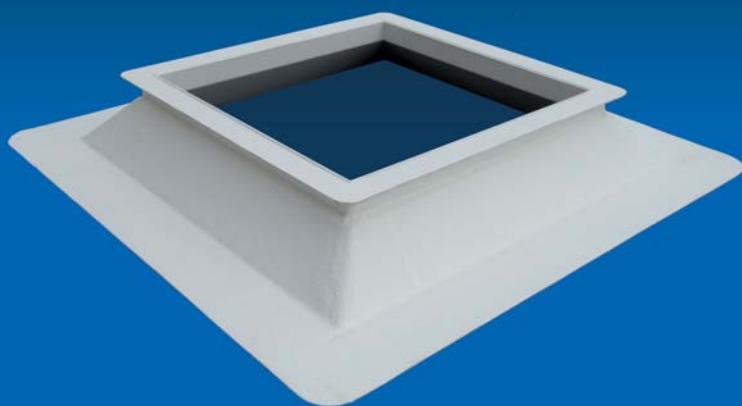
- SF16 (small flange) = height 16 cm = air isolated = thick 25 mm
- BF16 = height 16 cm = air isolated = thick 70 mm
- BF16EP = height 16 cm = EPS isolated = thick 70 mm
- R016 = height 16 cm = air isolated = thick 70 mm
- R016EP = height 16 cm = EPS isolated = thick 70 mm

Curbs PVC sloping model and vertical model

D	Daylight size D in cm	PVC sloping model			PVC vertical model			
		Roof opening size D + 20 cm	SF16 small flange air isolated	BF16 air isolated	BF16EP EPS isolated	Roof opening size D in cm	RO16 air isolated	RO16EP EPS isolated
30 x 30	50 x 50	122	166	178		30 x 30	160	172
40 x 40	60 x 60	128	172	185		40 x 40	165	177
50 x 50	70 x 70	132	191	205		50 x 50	219	235
55 x 55	75 x 75	140	193	207		55 x 55	226	242
60 x 60	80 x 80	144	206	221		60 x 60	228	246
70 x 70	90 x 90	170	242	259		70 x 70	244	263
75 x 75	95 x 95	176	256	274		75 x 75	280	300
80 x 80	100 x 100	181	265	284		80 x 80	285	305
90 x 90	110 x 110	198	281	301		90 x 90	295	316
100 x 100	120 x 120	206	297	318		100 x 100	332	357
105 x 105	125 x 125	218	316	340		105 x 105	357	382
110 x 110	130 x 130	222	320	344		110 x 110	360	387
120 x 120	140 x 140	239	342	368		120 x 120	375	403
130 x 130	150 x 150	258	370	396		130 x 130	395	424
140 x 140	160 x 160	281	396	425		140 x 140	433	465
150 x 150	170 x 170	299	424	455		150 x 150	475	510
160 x 160	180 x 180	325	455	488		160 x 160	508	545
180 x 180	200 x 200	364	511	548		180 x 180	554	594
200 x 200	220 x 220	416	547	588		200 x 200	598	641
220 x 220	240 x 240	462	714	768		220 x 220	702	755
230 x 230	250 x 250	477	746	802		230 x 230	727	782
250 x 250	270 x 270	513	812	871		250 x 250	777	835
30 x 80	50 x 100	134	193	207		30 x 80	186	198
30 x 130	50 x 150	181	272	293		30 x 130	255	273
40 x 70	60 x 90	134	193	207		40 x 70	175	188
40 x 100	60 x 120	170	241	258		40 x 100	244	263
40 x 190	60 x 210	232	349	375		40 x 190	356	381
50 x 100	70 x 120	170	249	267		50 x 100	283	303
50 x 110	70 x 130	181	256	274		50 x 110	293	314
60 x 90	80 x 110	170	249	267		60 x 90	263	282
60 x 130	80 x 150	202	296	317		60 x 130	329	353
70 x 100	90 x 120	185	270	289		70 x 100	293	314
70 x 130	90 x 150	206	299	320		70 x 130	323	346
75 x 125	95 x 145	206	314	338		75 x 125	348	374
75 x 175	95 x 195	251	363	390		75 x 175	404	434
80 x 130	100 x 150	218	307	329		80 x 130	349	375
80 x 160	100 x 180	239	363	390		80 x 160	375	403
80 x 180	100 x 200	258	374	402		80 x 180	399	427
80 x 220	100 x 240	299	430	462		80 x 220	454	487
80 x 230	100 x 250	312	443	477		80 x 230	476	511
80 x 250	100 x 270	333	495	531		80 x 250	532	572
80 x 280	100 x 300	365	517	556		80 x 280	563	605
90 x 120	110 x 140	218	319	343		90 x 120	345	371
90 x 150	110 x 170	239	360	387		90 x 150	403	432
90 x 180	110 x 200	270	384	411		90 x 180	425	457
100 x 130	120 x 150	232	329	354		100 x 130	368	394
100 x 150	120 x 170	251	365	392		100 x 150	397	426
100 x 160	120 x 180	258	372	400		100 x 160	408	438
100 x 190	120 x 210	292	419	450		100 x 190	455	488
100 x 200	120 x 220	299	430	462		100 x 200	460	494
100 x 220	120 x 240	325	460	494		100 x 220	508	545
100 x 230	120 x 250	329	470	506		100 x 230	521	559
100 x 250	120 x 270	345	494	530		100 x 250	544	585
100 x 280	120 x 300	378	512	549		100 x 280	569	610
105 x 230	125 x 250	333	513	550		105 x 230	563	605
120 x 150	140 x 170	270	414	445		120 x 150	455	488
120 x 180	140 x 200	299	430	462		120 x 180	472	508
120 x 210	140 x 230	329	470	504		120 x 210	518	557
130 x 160	150 x 180	292	417	448		130 x 160	449	482
130 x 190	150 x 210	325	460	494		130 x 190	502	540
130 x 220	150 x 240	351	500	538		130 x 220	553	593
130 x 230	150 x 250	357	519	558		130 x 230	570	612
130 x 250	150 x 270	377	531	571		130 x 250	587	631
130 x 280	150 x 300	432	616	662		130 x 280	672	723
160 x 190	180 x 210	351	523	561		160 x 190	556	598
160 x 220	180 x 240	378	541	580		160 x 220	592	636
160 x 230	180 x 250	394	548	589		160 x 230	603	647
160 x 250	180 x 270	432	639	686		160 x 250	696	748
160 x 280	180 x 300	466	663	712		160 x 280	725	778
180 x 280	200 x 300	489	687	739		180 x 280	753	808



Polyester curb H15



Polyester curb E15

Information curbs polyester and other versions

Polyester curbs

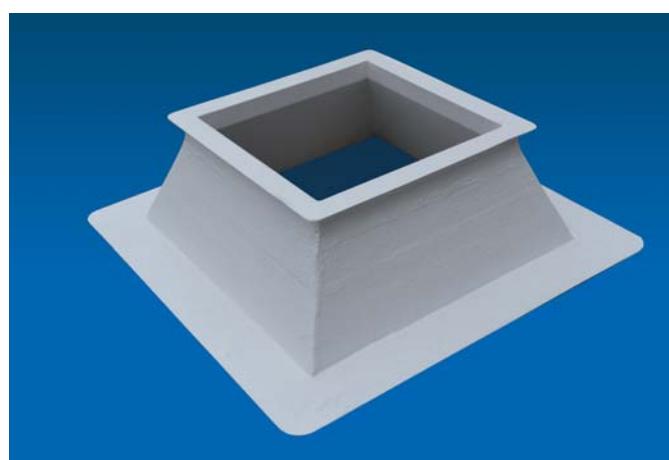
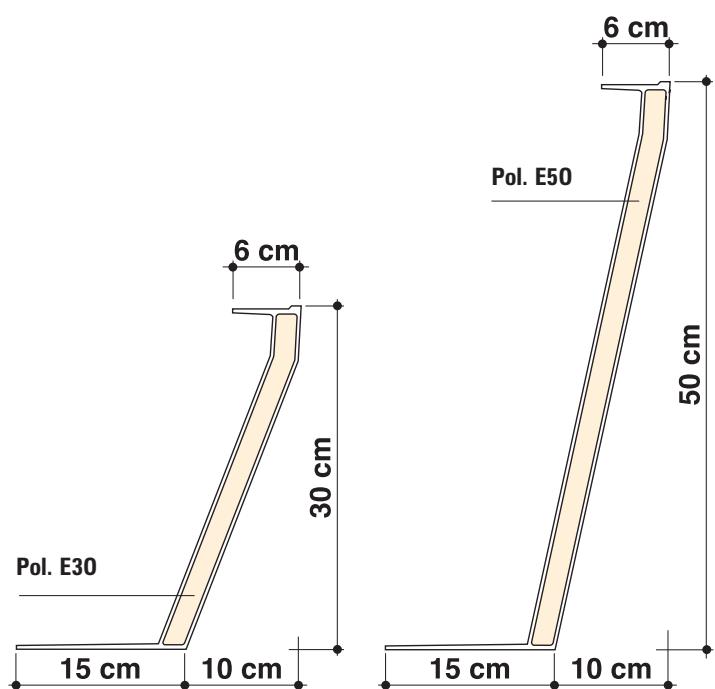
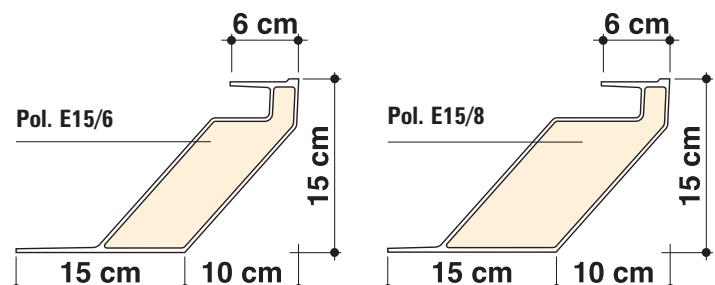
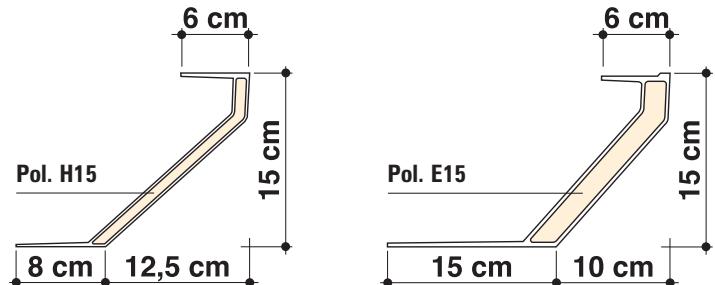
These polyester curbs are also double skinned with a filling of polyurethane. The outside is rough to create optimum fixing with the roof material and finished off with a weatherproof top coating.

Standard versions type:

- Type H15 (small flange) = roof opening = daylight size D + 25 cm
- E15 - E15/6 - E15/8 - E30 - E30/6 - E30/8 - E50 - E50/6 - E50/8 (wide flange) = roof opening = daylight size D + 20 cm

Special versions (prices on request):

- PVC strip (Trocäl) for PVC roofing material
- Curbs with insulated under flange
- Curbs with different side insulation
- Northern light curbs
- Curbs with connection for wave- and other roof profiles
- PVC Roofsize finishing
- Curbs with flange extension



Polyester curb E30

Curbs polyester wide flange



Daylight size D in cm	Roof opening size D + 20 cm	Polyester								
		E15 (Height 15 cm)			E30 (Height 30 cm)			E50 (Height 50 cm)		
E15	E15/6 thickness 6 cm	E15/8 thickness 8 cm	E30	E30/6 thickness 6 cm	E30/8 thickness 8 cm	E50	E50/6 thickness 6 cm	E50/8 thickness 8 cm		
30 x 30	50 x 50	229	283	297						
40 x 40	60 x 60	241	288	305	374	472	505	514	642	692
50 x 50	70 x 70	275	311	329	465	535	571	605	722	781
55 x 55	75 x 75	284	330	350	439	539	577	527	739	803
60 x 60	80 x 80	295	359	380	457	592	633	637	803	871
70 x 70	90 x 90	339	420	443	523	682	729	721	927	1003
75 x 75	95 x 95									
80 x 80	100 x 100	354	438	465	537	723	774	739	981	1065
90 x 90	110 x 110	381	493	523	626	810	865	917	1100	1194
100 x 100	120 x 120	440	552	580	675	899	959	880	1220	1322
105 x 105	125 x 125	456	539	572	701	950	1014	932	1302	1407
110 x 110	130 x 130									
120 x 120	140 x 140	528	640	674	801	1038	1109	1012	1440	1559
130 x 130	150 x 150	539	670	706	809	1092	1166	1096	1484	1612
140 x 140	160 x 160				1007	1169	1251	1323	1591	1726
150 x 150	170 x 170					939	1252	1339	1415	1701
160 x 160	180 x 180	646	811	857		995	1336	1426	1291	1846
180 x 180	200 x 200	747	911	964	1144	1501	1602	1491	2033	2205
200 x 200	220 x 220	831	1051	1107	1274	1718	1828	1665	2329	2514
220 x 220	240 x 240									
230 x 230	250 x 250	1080	1208	1270	1715	1971	2098	2253	2675	2886
250 x 250	270 x 270									
30 x 80	50 x 100	273	330	350	440	539	577	574	739	803
30 x 130	50 x 150	354	438	465	569	723	774	739	981	1065
40 x 70	60 x 90	273	330	350	415	539	577	574	739	803
40 x 100	60 x 120	339	420	443	523	682	729			
40 x 190	60 x 210									
50 x 100	70 x 120									
50 x 110	70 x 130	390	438	465						
60 x 90	80 x 110									
60 x 130	80 x 150	434	523	552	695	857	917	789	1045	1135
70 x 100	90 x 120	374	470	495	574	767	820			
70 x 130	90 x 150									
75 x 125	95 x 145									
75 x 175	95 x 195									
80 x 130	100 x 150	454	539	572	653	886	950	853	1203	1309
80 x 160	100 x 180				801	1038	1109			
80 x 180	100 x 200	528	670	706	813	1092	1166	1110	1484	1612
80 x 220	100 x 240	623	766	808	964	1252	1339	1246	1701	1846
80 x 230	100 x 250	640	789	833	1043	1297	1384	1350	1758	1905
80 x 250	100 x 270									
80 x 280	100 x 300	751	911	964	1149	1501	1602	1500	2033	2205
90 x 120	110 x 140									
90 x 150	110 x 170									
90 x 180	110 x 200									
100 x 130	120 x 150	479	589	622	781	968	1037	1014	1318	1433
100 x 150	120 x 170									
100 x 160	120 x 180	528	670	706	845	1092	1166	1096	1484	1612
100 x 190	120 x 210	605	741	781	931	1209	1293			
100 x 200	120 x 220	623	766	808	964	1252	1339	1246	1701	1846
100 x 220	120 x 240	665	811	857	995	1336	1426	1342	1815	1969
100 x 230	120 x 250	688	842	887	1071	1379	1473	1392	1868	2024
100 x 250	120 x 270	726	888	939	1121	1458	1556	1422	1983	2148
100 x 280	120 x 300	856	965	1017	1229	1579	1686	1793	2145	2321
105 x 230	125 x 250	693	855	902	1096	1397	1493	1457	1898	2056
120 x 150	140 x 170									
120 x 180	140 x 200							1415	1701	1846
120 x 210	140 x 230	753	842	887						
130 x 160	150 x 180	605	741	781	930	1209	1293	1202	1645	1786
130 x 190	150 x 210	665	811	857	1025	1336	1426	1324	1815	1969
130 x 220	150 x 240	747	888	939	1164	1458	1556	1451	1983	2148
130 x 230	150 x 250	753	911	964	1180	1501	1602	1698	2033	2205
130 x 250	150 x 270	767	965	1017	1229	1579	1686	1603	2145	2321
130 x 280	150 x 300	872	1109	1166	1413	1821	1934	2084	2460	2650
160 x 190	180 x 210									
160 x 220	180 x 240	790	965	1017	1214	1579	1686	1593	2145	2321
160 x 230	180 x 250	827	988	1043	1250	1617	1726	1834	2196	2379
160 x 250	180 x 270	879	1037	1094	1352	1701	1814	1786	2308	2499
160 x 280	180 x 300	984	1113	1173	1510	1826	1947	1969	2559	2761
180 x 280	200 x 300	1029	1208	1270	1715	1971	2098	2253	2675	2886



SMART WITH DAYLIGHT

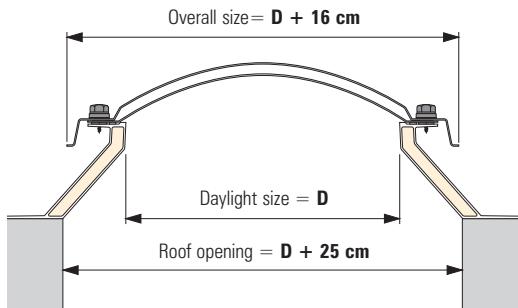
Curbs polyester H15

Roofsize finishing and curb adaptors

 D	Polyester	
Daylight size D in cm	Roof opening size D + 25 cm	Curb H15 small flange height 15 cm
30 x 30	55 x 55	
40 x 40	65 x 65	204
50 x 50	75 x 75	233
55 x 55	80 x 80	
60 x 60	85 x 85	259
70 x 70	95 x 95	303
75 x 75	100 x 100	318
80 x 80	105 x 105	327
90 x 90	115 x 115	354
100 x 100	125 x 125	370
105 x 105	130 x 130	378
110 x 110	135 x 135	
120 x 120	145 x 145	435
130 x 130	155 x 155	472
140 x 140	165 x 165	537
150 x 150	175 x 175	569
160 x 160	185 x 185	576
180 x 180	205 x 205	682
200 x 200	225 x 225	795
220 x 220	245 x 245	1004
230 x 230	255 x 255	
250 x 250	275 x 275	
30 x 80	55 x 105	
30 x 130	55 x 155	
40 x 70	65 x 95	241
40 x 100	65 x 125	303
40 x 190	65 x 215	
50 x 100	75 x 125	318
50 x 110	75 x 135	
60 x 90	85 x 115	345
60 x 130	85 x 155	
70 x 100	95 x 125	335
70 x 130	95 x 155	370
75 x 125	100 x 150	381
75 x 175	100 x 200	442
80 x 130	105 x 155	399
80 x 160	105 x 185	
80 x 180	105 x 205	506
80 x 220	105 x 245	528
80 x 230	105 x 255	
80 x 250	105 x 275	
80 x 280	105 x 305	
90 x 120	115 x 145	416
90 x 150	115 x 175	457
90 x 180	115 x 205	514
100 x 130	125 x 155	415
100 x 150	125 x 175	
100 x 160	125 x 185	472
100 x 190	125 x 215	539
100 x 200	125 x 225	554
100 x 220	125 x 245	609
100 x 230	125 x 255	
100 x 250	125 x 275	662
100 x 280	125 x 305	
105 x 230	130 x 255	
120 x 150	145 x 175	514
120 x 180	145 x 205	567
120 x 210	145 x 235	626
130 x 160	155 x 185	554
130 x 190	155 x 215	609
130 x 220	155 x 245	670
130 x 230	155 x 255	
130 x 250	155 x 275	713
130 x 280	155 x 305	
160 x 190	185 x 215	663
160 x 220	185 x 245	721
160 x 230	185 x 255	
160 x 250	185 x 275	825
160 x 280	185 x 305	888
180 x 280	205 x 305	

T D	Polyester	PVC Roofsize finishing	
Daylight size D in cm	Curb adaptors height 15 cm	height 60 cm	height 100 cm
30 x 30	246	310	414
40 x 40	277	359	465
50 x 50	302	398	524
55 x 55	351	418	554
60 x 60	371	438	583
70 x 70	439	476	645
75 x 75	493	503	686
80 x 80	559	539	717
90 x 90	590	601	791
100 x 100	621	647	846
105 x 105	689	698	891
110 x 110	721	721	929
120 x 120	783	783	985
130 x 130	830	830	1097
140 x 140	890	890	1144
150 x 150	944	944	1268
160 x 160	682	1000	1349
180 x 180	769	1155	1535
200 x 200	939	1257	1746
220 x 220	1404	1404	1951
230 x 230	1494	1494	2048
250 x 250	1620	1620	2207
30 x 80	278	445	577
30 x 130	367	553	767
40 x 70	278	445	577
40 x 100	523	523	667
40 x 190	732	732	754
50 x 100	503	503	686
50 x 110	351	503	686
60 x 90	440	578	779
70 x 100	396	647	846
70 x 130	647	647	846
75 x 125	647	647	846
75 x 175	808	808	1015
80 x 130	454	698	891
80 x 160	559	783	985
80 x 180	644	830	1097
80 x 220	663	1032	1326
80 x 230	810	1144	1520
90 x 120	561	830	1097
90 x 150	644	944	1268
90 x 180	492	732	754
100 x 130	621	732	754
100 x 150	682	944	1268
100 x 160	769	1074	1438
105 x 230	944	1231	1636
120 x 150	944	1231	1649
120 x 180	622	976	1315
130 x 160	682	998	1340
130 x 190	789	1132	1504
130 x 220	769	1144	1520
130 x 250	811	1231	1649
130 x 280	1340	1340	1764
160 x 190	721	1132	1504
160 x 220	1231	1231	1649
160 x 230	941	1275	1735
160 x 250	1404	1313	1781
160 x 280	180 x 280	1404	1951

Roof opening with polyester curb H15



Polyester curb adaptors for renovation

In case of existing situations polyester curb adaptors can be mounted on existing curbs. As a result, the curb height increases 15 cm, but other heights are also available on request.

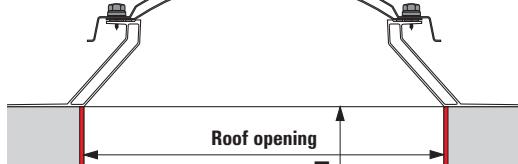
Special for renovation

Existing skydome and curb can be reused and installed in case of renovation. You also can built-in a ventilation system on the existing dome, even expand this to a Smoke and Heat exhaust ventilation system.

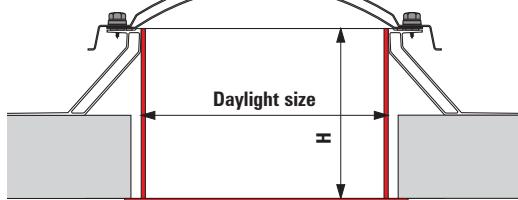
PVC Roofsize finishing

- Material Hard PVC.
- Color white (RAL 9010) with bottom flange of 5 cm (paintable).
- Keep the roof opening a few cm larger than the daylight size of the finishing. Keep the inside daylight size of the curb minimal to mentioned sizes.
- Not to be used in ventilation units without adjustment.
- Other sizes/heights available on request.
- Also available in round forms (see page 17).

Roofsize finishing Roof opening



Roofsize finishing Daylight size





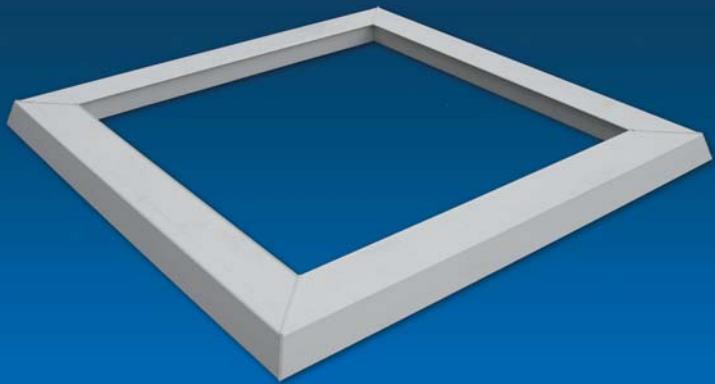
Round skydomes acrylic (AC) and polycarbonate (PC)

 D Daylight size D in cm	Acrylic (AC)						ISO-Dome						Polycarbonate (PC)						ISO-Dome	
	1-S AC	2-S AC/AC	3-S AC/AC/AC	4-S AC/AC/AC/AC	6-S AC/PC/AC	1-S PC	2-S PC/AC	2-S PC/PC	3-S PC/AC/AC	3-S PC/AC/PC	4-S PC/AC/AC	6-S PC/PC/AC								
Ø 40	111	145	184	223	249	139	166	210	212	223	257	270								
Ø 50	132	184	243	300	327	154	212	239	275	285	334	355								
Ø 60	157	210	272	330	365	179	223	262	282	289	339	377								
Ø 70	170	254	344	433	464	192	273	328	357	390	441	481								
Ø 80	180	306	443	580	598	302	385	450	471	503	646	678								
Ø 90	212	354	504	657	681	347	475	529	615	623	753	803								
Ø 100	245	401	563	726	759	385	521	619	648	716	779	879								
Ø 120	351	572	809	1045	1026	577	765	852	963	983	1163	1217								
Ø 130	419	634	860	1089	1091	630	853	907	1097	1066	1341	1312								
Ø 160	741	1042	1357	1672		866	1276	1668	1713	1993	2148									
Ø 180	856	1403	2006	2609		1161	1687	2071	2215	2493	2742									
Ø 200	1209	2050	2977	3906																
Ø 220	on request	on request	on request	on request																
Ø 230	on request	on request	on request	on request																
Ø 250	on request	on request	on request	on request																

Round curbs, curb adaptors, roofsize finishing and ventilation frames

 D Daylight size D in cm	Roof opening D + 20 cm	E15 (Height 15 cm)			E30 (Height 30 cm)			E50 (Height 50 cm)		
		E15	E15/6 thickness 6 cm	E15/8 thickness 8 cm	E30	E30/6 thickness 6 cm	E30/8 thickness 8 cm	E50	E50/6 thickness 6 cm	E50/8 thickness 8 cm
Ø 40	Ø 60	261	315	329	416	468	478	543	872	924
Ø 50	Ø 70	285	358	378	439	535	547	770	888	949
Ø 60	Ø 80	294	398	418	467	599	610	626	905	974
Ø 70	Ø 90	341	434	456	543	644	656	711	961	1037
Ø 80	Ø 100	358	460	484	564	676	690	731	1016	1100
Ø 90	Ø 110	398	515	543	729	761	775	954	1140	1231
Ø 100	Ø 120	439	576	608	701	844	862	928	1264	1364
Ø 120	Ø 140	539	654	690	854	963	981	1213	1446	1565
Ø 130	Ø 150	577	695	732	948	1020	1041	1106	1535	1663
Ø 160	Ø 180	647	852	898	1043	1251	1276	1350	1881	2032
Ø 180	Ø 200	751	973	1022	1202	1406	1435	1625	2133	2302
Ø 200	Ø 220	898	1077	1133	1402	1560	1593	1859	2367	2552
Ø 230	Ø 250	1113	1242	1304	1727	1801	1837	2459	2878	3090
Ø 250	Ø 270				2159	2238	2275			

 D Daylight size D in cm	Roof opening D + 25 cm	Polyester		Curb H15 small flange height 15 cm		 Polyester	Daylight size D in cm	Curb adaptors height 15 cm	PVC Roofsize finishing		 Polyester	Daylight size D in cm	solo	tandem		
		Polyester	Curb H15 small flange height 15 cm	height 60 cm	height 100 cm											
Ø 40	Ø 65	224		355	509		Ø 40	Ø 50	409	549		Ø 40	281			
Ø 50	Ø 75	253		462	593		Ø 50	Ø 60	367	504	631		Ø 50	327		
Ø 60	Ø 85	273		608	807		Ø 60	Ø 70	487	667	887		Ø 60	396		
Ø 70	Ø 95	319		866	1149		Ø 70	Ø 80	586	866	1149		Ø 70	434		
Ø 80	Ø 105	338		1075	1427		Ø 80	Ø 90	869	1313	1747		Ø 80	509		
Ø 90	Ø 115	368		1457	1938		Ø 90	Ø 100	1015	1457	1938		Ø 90	621		
Ø 100	Ø 125	384		1527	2114		Ø 100	Ø 120	1111	1602	2200		Ø 100	736		
Ø 120	Ø 145	471		1676	2371		Ø 120	Ø 130	1676	2371			Ø 120	810		
Ø 130	Ø 155	506					Ø 130	Ø 140					Ø 130	887		
Ø 160	Ø 185	599					Ø 160	Ø 170					Ø 160			
Ø 180	Ø 205	687					Ø 180	Ø 190					Ø 180			
Ø 200	Ø 225	794	1009				Ø 200	Ø 210					Ø 200			
Ø 220	Ø 245						Ø 220	Ø 230					Ø 220			
Ø 230	Ø 255						Ø 230	Ø 240					Ø 230			
Ø 250	Ø 275						Ø 250	Ø 260					Ø 250			



PVC ventilation frame



Anti burglar bar

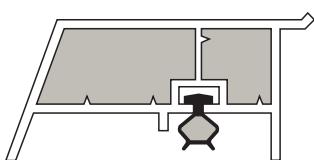


Anti insect screen

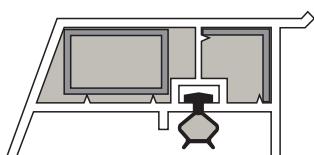


Anti burglar bar mounted

Information ventilation frames, anti burglar bars and anti insect screens



PVC normal



PVC reinforced

PVC ventilation frames

In addition to good insulation, fresh air is necessary for a good living and working climate. Ventilation through the roof is the most efficient way to remove heat from the home in the summer.

To open a Megalux®-skydome you need to install a ventilation frame. Megalux®-ventilation frames are installed between the skydome and the curb. This will provide a perfect thermal break and watertight closing. These are automatically reinforced for ventilation purposes and for roof access and smoke and heat extraction systems. Ventilation can be performed manually using a spindle with crank handle or electrically by means of an electric motor or chain motor.

Anti burglar bars (with SKG KOMO attest)

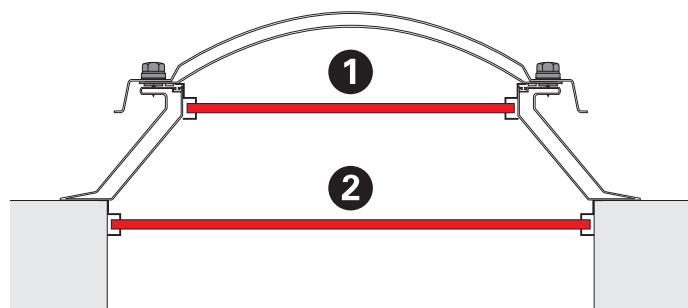
For extra security against falling through and burglary the Megalux®-anti burglar bar can be supplied.

The anti burglar bar can be mounted in the daylight size or in the roof opening. Megalux®-anti burglar bars are SKG certified and thereby qualified to the requirements of Building and Police regulations.

Anti burglar bars cannot be used in combination with roof access hatches.

Anti burglar bar

- 1) for mounting in the daylight size
- 2) for mounting in the roof opening

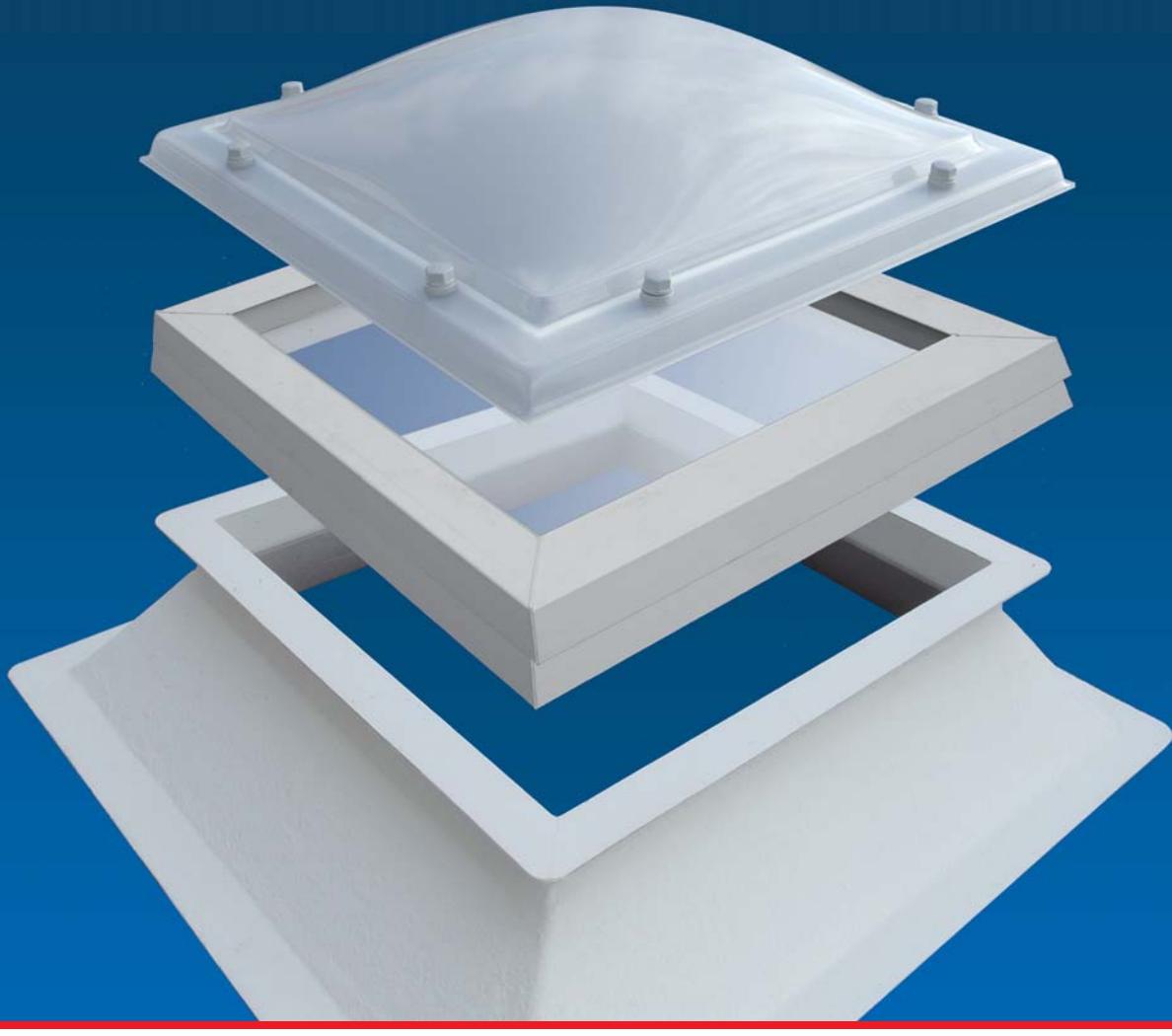


Ventilation frames, anti burglar bars and anti insect screens

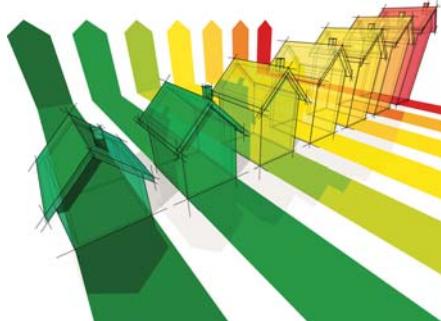
Daylight size D in cm	Ventilation frame PVC	
	solo	tandem
30 x 30		
40 x 40	148	
50 x 50	160	
55 x 55	166	
60 x 60	178	
70 x 70	186	
75 x 75	189	
80 x 80	193	
90 x 90	205	
100 x 100	213	
105 x 105	234	
110 x 110	255	
120 x 120	269	283
130 x 130	278	289
140 x 140		301
150 x 150		311
160 x 160		335
180 x 180		350
200 x 200		386
220 x 220		466
230 x 230		487
250 x 250		532
30 x 80	163	
30 x 130	187	
40 x 70	163	
40 x 100	186	
40 x 190	231	242
50 x 100	189	
50 x 110	193	
60 x 90	174	
60 x 130	207	221
70 x 100	201	
70 x 130	213	227
75 x 125	213	227
75 x 175	254	267
80 x 130	226	238
80 x 160	269	283
80 x 180	278	290
80 x 220	304	318
80 x 230	311	324
80 x 250		338
80 x 280		350
90 x 120	226	238
90 x 150	258	270
90 x 180	283	295
100 x 130	231	242
100 x 150	254	267
100 x 160	269	283
100 x 190	290	302
100 x 200	295	311
100 x 220		326
100 x 230		333
100 x 250		355
100 x 280		368
105 x 230		345
120 x 150	283	295
120 x 180	301	314
120 x 210		339
130 x 160		314
130 x 190		329
130 x 220		345
130 x 230		350
130 x 250		376
130 x 280		397
160 x 190		350
160 x 220		366
160 x 230		374
160 x 250		397
160 x 280		418
180 x 280		437

Daylight size D in cm	aluminium	white RAL 9010
30 x 30	286	322
40 x 40	294	325
50 x 50	307	348
55 x 55	315	362
60 x 60	325	373
70 x 70	350	420
75 x 75	362	440
80 x 80	378	468
90 x 90	435	549
100 x 100	462	600
105 x 105	506	659
110 x 110	563	746
120 x 120	590	790
130 x 130	663	894
140 x 140	696	987
150 x 150	772	1080
160 x 160	806	1159
180 x 180	920	1366
200 x 200	1093	1718
220 x 220	on request	on request
230 x 230	on request	on request
250 x 250	on request	on request
30 x 80	305	350
30 x 130	444	506
40 x 70	325	382
40 x 100	370	433
40 x 190	644	751
50 x 100	385	464
50 x 110	426	504
60 x 90	388	466
60 x 130	493	601
70 x 100	415	514
70 x 130	512	635
75 x 125	514	644
75 x 175	662	846
80 x 130	527	681
80 x 160	669	864
80 x 180	678	878
80 x 220	785	1029
80 x 230	828	1089
80 x 250	882	1173
80 x 280	978	1283
90 x 120	531	686
90 x 150	599	798
90 x 180	696	927
100 x 130	560	744
100 x 150	614	823
100 x 160	659	889
100 x 190	758	1019
100 x 200	770	1062
100 x 220	825	1132
100 x 230	869	1191
100 x 250	926	1292
100 x 280	1022	1422
105 x 230	922	1261
120 x 150	706	967
120 x 180	781	1089
120 x 210	899	1250
130 x 160	741	847
130 x 190	858	1213
130 x 220	976	1375
130 x 230	988	1403
130 x 250	1053	1513
130 x 280	1173	1679
160 x 190	932	1360
160 x 220	1059	1549
160 x 230	1069	1576
160 x 250	1138	
160 x 280	1265	
180 x 280	1392	

Daylight size D in cm	solo	tandem
30 x 30	221	
40 x 40	221	
50 x 50	221	
55 x 55	221	
60 x 60	221	
70 x 70	241	
75 x 75	255	
80 x 80	265	
90 x 90	289	
100 x 100	311	
105 x 105	324	
110 x 110	334	
120 x 120	358	
130 x 130	380	
140 x 140	404	
150 x 150	425	
160 x 160	449	
180 x 180	492	
200 x 200	538	
220 x 220	599	
230 x 230	621	
250 x 250	670	
30 x 80	227	221
30 x 130	305	227
40 x 70	221	221
40 x 100	265	221
40 x 190	404	289
50 x 100	273	235
50 x 110	289	241
60 x 90	265	241
60 x 130	328	273
70 x 100	289	265
70 x 130	329	289
75 x 125	331	293
75 x 175	407	331
80 x 130	341	305
80 x 160	387	328
80 x 180	418	341
80 x 220	480	372
80 x 230	492	380
80 x 250	525	394
80 x 280	570	418
90 x 120	334	311
90 x 150	380	334
90 x 180	425	358
100 x 130	358	334
100 x 150	386	350
100 x 160	404	361
100 x 190	449	380
100 x 200	462	386
100 x 220	492	404
100 x 230		409
100 x 250		425
100 x 280		449
105 x 230		418
120 x 150	404	380
120 x 180	449	404
120 x 210		425
130 x 160		404
130 x 190		425
130 x 220		449
130 x 230		456
130 x 250		472
130 x 280		492
160 x 190		472
160 x 220		492
160 x 230		501
160 x 250		517
160 x 280		538
180 x 280		599



Information skydomes Hybride



**With Megalux®-daylight systems
to a better Energy Profit Coefficient**

Hybrid daylight systems, smart with daylight!

Energy saving is getting more and more important. Higher standards are required for insulation and ventilation of new buildings. This reflects in the all designs of new projects. The importance of the Energy Profit Coefficient (EPC) is dominating in the building industry for new and even current buildings. Nowadays the U-value standard is 2.2 for buildings and for building elements even a maximum U-value of 1.6.

By cleverly combining the various components from the Megalux®-skydome program, you can even achieve U-values of 0.4. You can achieve this result by combining a super-insulating skydome with extra insulation in the curb and a glass or ISO PC-window. You can also opt for other smart combinations and thus fulfill your own (residential) requirements. You can also make existing skydomes more sustainable during renovation with the extra addition of a glass or ISO PC-window, which is easy to install between the existing dome and curb.

Megalux®-Hybrid skydomes are very maintenance-friendly. On the outside they are self-cleaning like all plastic skydomes from the wide Megalux®-skydomes range. They are largely soundproof, burglar-resistant, fall-proof and have a perfect air and watertightness. A ready-to-use quality product whose colour, shape and the material of the parts are chosen by yourself. Then have it pre-assembled delivered for a perfect finish and quick assembly.

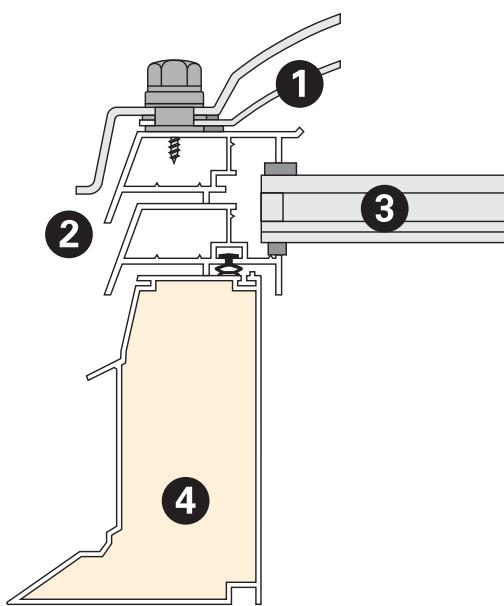
Domes Hybride with curb vertical model and curb sloping model

Daylight size D in cm	Glass-window separately*	Curb PVC vertical model**	Curb PVC sloping model**	Skydome**
Fixed version	Ventilation manual*	Ventilation electric*	Roof opening size in cm	Roof opening size D + 20 cm
40 x 40	286	590	40 x 40	177
60 x 60	307	614	60 x 60	246
70 x 70	331	649	70 x 70	263
80 x 80	366	692	80 x 80	305
90 x 90	409	744	90 x 90	316
100 x 100	438	794	100 x 100	357
120 x 120	561	1097	120 x 120	403
130 x 130	663	1199	130 x 130	424
40 x 70	308	591	40 x 70	188
60 x 90	338	621	60 x 90	282
60 x 130	434	970	60 x 130	354
70 x 100	391	674	70 x 100	314
80 x 130	481	1017	80 x 130	375
				1-S PC
				2-S PC/AC
				3-S PC/AC/AC
				4-S PC/AC/AC/AC

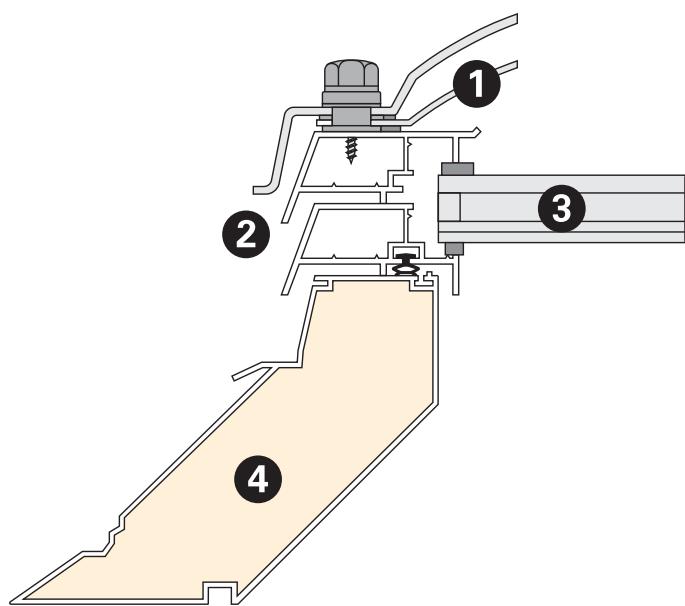
* Skydome and curb not included.

** Alternative skydome and curb versions, see price list.

U-value (W/m ² K)							
EN 1873:2014+A1:2016, EN 673, ISO10211							
Glass-window HR ++, Ug	1,00	Curb PVC R016EP		Curb PVC BF16EP	Glass-window+ dome 1-S	Glass-window+ dome 2-S	Glass-window+ dome 3-S
Curb PVC** 16EP, Ur	0,61			0,59	0,95 0,74 0,73	0,81 0,69 0,68	0,71 0,65 0,64
Glass-window with skydome, Ut							
Glass-window with curb PVC R016EP and skydome, Urc (ref)							
Glass-window with curb PVC BF16EP and skydome, Urc (ref)							



- 1) Skydome
- 2) Dual PVC frame
- 3) Glass window
- 4) Curb PVC R016EP



- 1) Skydome
- 2) Dual PVC frame
- 3) Glass window
- 4) Curb PVC BF16EP



ISO-PC window

Megalux® ISO-PC window

Daylight size D in cm	Fixed version*
40 x 40	331
50 x 50	351
55 x 55	363
60 x 60	374
70 x 70	397
75 x 75	410
80 x 80	424
90 x 90	487
100 x 100	517
105 x 105	533
110 x 110	565
120 x 120	599
30 x 80	358
30 x 130	422
40 x 70	361
40 x 100	409
40 x 190	534
50 x 100	424
50 x 110	435
60 x 90	427
60 x 130	489
70 x 100	454
70 x 130	509
75 x 125	510
75 x 175	594
80 x 130	543
80 x 160	584
80 x 180	611
80 x 220	683
80 x 230	696
80 x 250	724
80 x 280	766
90 x 120	532
90 x 150	593
90 x 180	636
100 x 130	577
100 x 150	628
100 x 160	642
100 x 190	689
100 x 200	722
100 x 220	752
100 x 230	768
100 x 250	799
100 x 280	844
105 x 230	779
120 x 150	667
120 x 180	717
120 x 210	785

* Skydome and curb not included

Megalux® ISO-PC windows has a very high insulation value comparable to 3-layered glass.

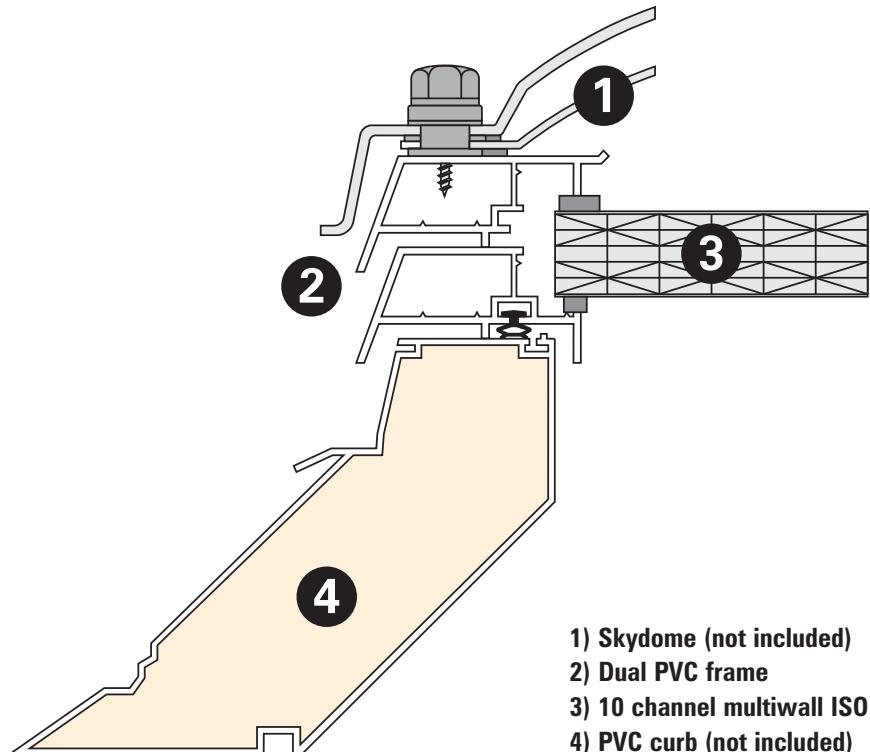
The ISO window is made of a dual PVC window-frame, equipped with a 10 channel multiwall PC sheet 32 mm thick. Due to its light weight, the most skydome versions are possible.

It is also very suitable to be placed between the existing skydome with a curb. You can directly improve the existing situation

**Special
for renovation!**

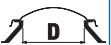
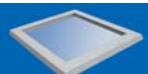
spectacularly. Because the actual window size has the same size as the daylight size, you have up to 40% more daylight input than with many other glass brands with the comparable roof opening sizes. Therefore, you can choose a smaller size to achieve the same result.

- **Very high insulation value** comparable to triple-glass windows.
- Up to **40% more daylight input** than many other manufacturers.
- Many available sizes to choose from.
- Easy to handle due to light weight.
- Easy to assemble on almost all existing brands' upstands.
- For ventilated versions you can use ventilation units prices on page 30.
- Non-transparent, allowing less rapid heating (more energy neutral).
- Always has to be applied only in combination with a dome on top.





Megalux® Glass-window

Glass-window square

Daylight size D in cm	Fixed version*	Manual operated version*	Electrically operated version*
40 x 40	286		
60 x 60	307	365	590
70 x 70	331	389	614
80 x 80	366	424	649
90 x 90	409	467	692
100 x 100	438	621	974
120 x 120	561	744	1097
130 x 130	663	846	1199
40 x 70	308	366	591
60 x 90	338	396	621
60 x 130	434	617	970
70 x 100	391	449	674
80 x 130	481	664	1017



Glass-window round

Daylight size D in cm	Fixed version*
Ø 40	742
Ø 50	807
Ø 60	868
Ø 70	944
Ø 80	1018
Ø 100	1418
Ø 130	2053

* Skydome and curb not included.

* Hinges are standard mounted at the longest side of the unit by rectangular versions.

The **Megalux® Glass-window** has a very high thermal insulation, but above all it has a very high sound insulation. There is little to no noise coming through thanks to the combination of Megalux® Glass-window with a Megalux®-skydome(s).

The window is made of double PVC frame with HR++ double layered insulated glass.

The glass window is also very suitable for placing between the existing skydome and curb. You can therefore immediately improve the existing situation spectacularly.

Because the actual window size is the same as the daylight size, you have up to 40% more daylight input than with many other glass brands with the comparable roof opening sizes. So you can achieve the same result with a smaller variant.

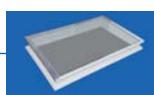
- Very high insulation value.

- Up to **40% more daylight input** than many other manufacturers.
- Also very suitable for renovation without major modifications to the roof.
- Easy to assemble on almost all existing brands' curbs.
- Also available in opaque with opal skydome for less rapid warming (Energy neutralizer).
- Electric ventilating systems are equipped with a chain motor.
- Always must to be installed only in combination with a skydome on top.



Megalux® Glass-Unit

D in cm	Roof opening size in cm	Polyester E30 height 30 cm	Extra cost adaptor	Extra cost wall connection
40 x 40	40 x 40	914	89	254
50 x 50	50 x 50	970	89	254
60 x 60	60 x 60	1137	89	254
70 x 70	70 x 70	1277	89	331
80 x 80	80 x 80	1320	104	331
90 x 90	90 x 90	1558	117	331
100 x 100	100 x 100	1725	132	331
105 x 105	105 x 105	1818	132	331
120 x 120	120 x 120	2070	148	331
130 x 130	130 x 130	2245	163	331
40 x 70	40 x 70	1018	102	331
70 x 100	70 x 100	1389	114	331
80 x 130	80 x 130	1746	132	331
100 x 130	100 x 130	1942	142	331
100 x 160	100 x 160	2197	178	407
100 x 200	100 x 200	2539	186	509



Megalux® Glass-Unit is a completely pre-assembled daylight system unit, consisting of a polyester curb with integrated HR++ glass plate. The curb has a slight slope for sufficient water drainage and is filled with 40 mm PUR insulation.

The whole unit is finished with aluminum frames. With the standard flange the whole unit can be installed quickly and easily on the roof.

- Fixed version.
- Suitable for roof slopes from 0° to 20°.
- Insulation U-value 1.1, g-value 61%, Lt value 79%.
- UV pass 0%.
- Polyester curb made in white RAL 9010.
- Also possible on an E50 polyester curb at extra cost.
- Attachment edge for easy mounting on an existing curb (available at extra cost).
- Wall connection for easy mounting against the facade (available at extra cost).
- Self-Cleaning due to the inclined surface.



Adaptor for mounting on existing curb

D in cm	Roof opening size in cm	Polyester E30 height 30 cm	Extra cost adaptor
Ø 40	Ø 40	851	50
Ø 50	Ø 50	928	63
Ø 60	Ø 60	1005	79
Ø 70	Ø 70	1091	91
Ø 80	Ø 80	1168	106
Ø 100	Ø 100	1602	131
Ø 130	Ø 130	2276	131





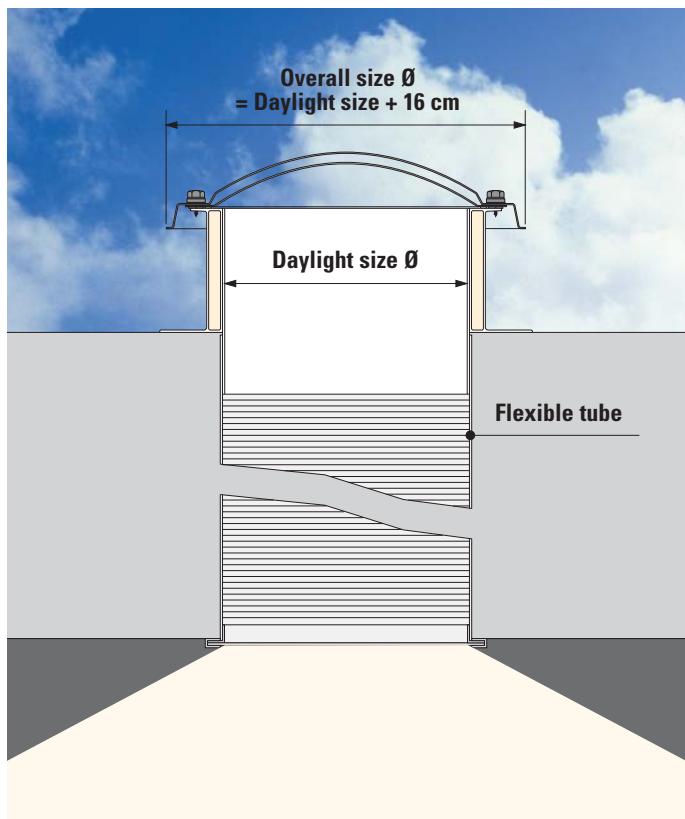
SMART WITH DAYLIGHT

MegatubE

The system consists of an acrylic double skinned skydome (85%), insulated polyester curb and 3 meters of flexible aluminium tube with helical reinforcement and ceiling panel in maximum size for optimum light transmission. Suitable for flat / gently sloping and pitched roofs with a maximum roof package (thickness) of 3 meters. All sizes expandable to 6 meters roof package, by means of an extension set.

The **MegatubE** is always equipped with a light fixture. The light yield is affected by, among other things, the geographic location and atmospheric influences but also by ceiling height and the colour of the room.

			
Daylight size in cm	Flat roof version	Sloping roof model	Extension set 3 mtr.
Ø 30	470	732	70
Ø 45	535	802	89
Ø 50	595	889	122
Ø 60	685	961	178



With the MegatubE you can create a healthier and more pleasant working and living environment.



Ventilation units, PVC and Polyester



	D in cm	PVC SF16 manual	PVC SF16 electric	Polyester H15 manual	Polyester H15 electric
S	40 x 40	336		412	
S	50 x 50	352		453	
S	55 x 55	366			
S	60 x 60	382	718	497	833
S	70 x 70	416	752	549	885
S	75 x 75	425	761	567	903
S	80 x 80	434	770	580	916
S	90 x 90	463	799	619	955
S	100 x 100	479	815	643	979
S	105 x 105	512	848	672	1008
S	110 x 110	537	873		
T	120 x 120	768	1296	964	1492
T	130 x 130	793	1321	1007	1535
T	140 x 140	828	1356	1084	1612
T	150 x 150	856	1384	1126	1654
T	160 x 160	906	1434	1157	1685
T	180 x 180	960	1488	1278	1806
T	200 x 200	1048	1576	1427	1955
T	220 x 220	1174	1702	1716	2244
T	230 x 230	1210	1738		
T	250 x 250	1291	1819		
S	30 x 80	357	693		
S	30 x 130	428	764		
S	40 x 70	357	693	464	800
S	40 x 100	416	752	549	885
T	40 x 190	720	1248		
S	50 x 100	419	755	567	903
S	50 x 110	434	770	253	589
S	60 x 90	404	740	579	915
S	60 x 130	469	805		
S	70 x 100	446	782	596	932
S	70 x 130	479	815	643	979
S	75 x 125	479	815	654	990
T	75 x 175	764	1292	955	1483
S	80 x 130	504	840	685	1021
T	80 x 160	768	1296		
T	80 x 180	794	1322	1042	1570
T	80 x 220	863	1391	1092	1620
T	80 x 230	882	1410		
T	80 x 250	917	1445		
T	80 x 280	961	1489		
T	90 x 120	702	1230	900	1428
T	90 x 150	755	1283	973	1501
T	90 x 180	811	1339	1055	1583
T	100 x 130	720	1248	903	1431
T	100 x 150	764	1292		
T	100 x 160	787	1315	1001	1529
T	100 x 190	840	1368	1087	1615
T	100 x 200	856	1384	1111	1639
T	100 x 220	897	1425	1181	1709
T	100 x 230	908	1436		
T	100 x 250	946	1474	1263	1791
T	100 x 280	992	1520		
T	105 x 230	924	1452		
T	120 x 150	811	1339	1055	1583
T	120 x 180	859	1387	1127	1655
T	120 x 210	914	1442	1211	1739
T	130 x 160	852	1380	1114	1642
T	130 x 190	900	1428	1184	1712
T	130 x 220	942	1470	1261	1789
T	130 x 230	953	1481		
T	130 x 250	999	1527	1335	1863
T	130 x 280	1075	1603		
T	160 x 190	947	1475	1259	1787
T	160 x 220	990	1518	1333	1861
T	160 x 230	1014	1542		
T	160 x 250	1075	1603	1468	1996
T	160 x 280	1130	1658	1552	2080
T	180 x 280	1172	1700		

A Megalux®-ventilation unit consists of:

- Curb PVC SF16 (small flange) or a polyester curb H15
 - PVC ventilation frame
 - Spindle (manual or electrical)
- The unit is pre-assembled.

Prices ventilation manual / electric operated

Single telescopic spindle, including brackets a)	60
Double spindle, including brackets a)	246
Motor spindle solo 230 V a)	460
Motor spindle solo 24 V a)	469
Motor spindle tandem 230 V a)	919
Chain actuator 230 V 300 mm	396
Chain actuator 230 V 300 mm with remote control	481
Chain actuator tandem 230 V 300 mm	774
Chain actuator tandem 230 V 300 mm with remote control	895
Switch built-in	73
Switch build-on	88
Crank handle 1.5 meter	40
Crank handle 2 meter	40
Crank handle 2.5 meter	51
Crank handle 3 meter	51
Crank handle 3.5 meter	51
Crank handle 4 meter	51
Telescopic crank handle 1.0 / 1.8 mtrs	48
Telescopic crank handle 1.8 / 3.0 mtrs	58
Prices ventilation through the curb	
Xpelair ventilator GX9 b)	1130
Xpelair ventilator GX12 b)	1772
Xpelair electronic operation unit	326
Crossflow ventilator 60-1800 b)	550
Crossflow ventilator 60-2400 b)	818
Ventilation grill for PVC curb	98
Ventilation grill for polyester curb	412
Prices other	
Wind and rain control	1097
Thermostat independently adjustable from 5 °C to 30 °C	178
1-channel remote control transmitter c)	98
15-channel transmitter with LCD display c)	110
1-channel wall-mounted transmitter c)	109
15-channel wall transmitter with LCD display c)	121
Remote control receiver 400W IP55	124

Comment:

- a) Prices of these items are included assembly.
- b) The ventilators and grill are assembled delivered including ventilator case in the curb.
- c) With each remote control and/or wall transmitter you need at least 1 receiver.



Ventilation unit with motor spindle



Ventilation unit with chain actuator



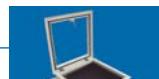
Remote control with and without LCD display



Wind and rain control

Escape hatches

Roof access hatches

		Escape hatch		Roof access hatch	
Daylight size D in cm	Curb PVC SF16 PVC frame handle/chain	Curb PVC SF16 PVC frame handle/slide rods	Curb PVC R016 PVC frame handle/slide rods	Curb PVC SF16 PVC frame handle/gas spring	Curb PVC R016 PVC frame handle/gas spring
70 x 70	460	501	575	556	630
75 x 75	469	510	614	565	669
80 x 80	478	519	623	574	678
90 x 90	507	548	645	603	700
100 x 100	523	564	690	619	745
105 x 105	556	597	736	652	791
60 x 90	448	489	582	544	637
70 x 100	490	531	639	586	694
75 x 125	537	578	720	633	775
75 x 175				857	1010
80 x 130	560	601	732	656	787
80 x 180				1015	1156
90 x 150				831	995
90 x 180				1079	1234

		Roof access hatch with ventilation			
Daylight size D in cm	Curb PVC SF16 PVC frame spindle/slide rods	Curb PVC R016 PVC frame spindle/slide rods	Curb PVC SF16 PVC frame spindle/gas spring	Curb PVC R016 PVC frame spindle/gas spring	
70 x 70	596	670	646	720	
75 x 75	605	709	655	759	
80 x 80	614	718	664	768	
90 x 90	643	740	693	790	
100 x 100	659	785	709	835	
105 x 105	692	831	742	881	
60 x 90	584	677	634	727	
70 x 100	626	734	676	784	
75 x 125	673	815	723	865	
75 x 175					
80 x 130	696	827	746	877	
80 x 180					



Roof access hatch with electric operation



Roof access hatch, PVC curb, PVC frame, crank handle with slide rods



Escape hatch, PVC curb, PVC frame, crank handle with chains



Roof access hatch with ventilation, spindle with pull and release string

Versions of Escape hatch unit and Roof access hatch unit

- Units are consisting of a curb, a ventilation frame and pre-assembled ironwork. To complete the hatch you need to order a skydome and in case of ventilation option a crank handle.
- For regular use its better to combine them with a polycarbonate (PC) skydome.
- The roof opening size for PVC SF16 curbs is D + 20 cm and for PVC R016 curbs the same as the daylight size.
- Hinges are standard mounted on the longest side of the unit by rectangular versions.

Prices parts roof access/escape hatch

Crank handle with Chains a)	104
Crank handle with Slide Rods a)	145
Crank handle with Gas springs a)	200
Spindle with Chains + Pull string a)	181
Spindle with Slide Rods + Pull string a)	240
Spindle with Gas springs + Pull string a)	290
Double Spindle with Slide Rods + Pull string a)	512
Double Spindle with Gas springs + Pull string a)	563
Crank handle	41
Crank handle with Keylock	104
Slide Rods	109
Gas springs	161
Sealing rubber for Roof access/aluminium frame, per m1	15

Comment:

a) Prices included assembly when ordered as unit.

Roof access hatch, aluminium frame with gas springs, crank and handle



		Roof access frame aluminium*
Daylight size D in cm		manual gas springs/crank handle
120 x 120		1110
130 x 130		1202
160 x 160		1289
100 x 130		1144
100 x 160		1186
100 x 200		1465
100 x 220		1509
100 x 250		1540
120 x 150		1220
130 x 160		1351

* Curb not included



SHEV system type BG-3



SHEV system type BG-E

Information Smoke and Heat exhaust ventilation systems



Smoke and heat exhaust ventilation systems (SHEV's)

Van Deudekom Plastics BV is an officially certified manufacturer/supplier of pre-assembled SHEV systems.

Megalux® Smoke and Heat exhaust ventilation systems (SHEV's) are equipped with CE marking and tested according to the European standard **EN 12101-2** and **VDA 2159**.

With **Megalux® SHEV systems** (in case of fire) are extracted from the fire compartment of a building so:

- human lives are protected against build up of smoke and heat in the escape areas;
- the building construction is better protected because the temperature stays lower;
- direct fire damage to inventory is less because of slower movement of the fire through the building;
- firefighters can work faster and more accurate.

Of course the use of skydomes brings the advantage of daylight into the building.

Every **Megalux® SHVE system** is delivered as a complete automatic opening system through heat control (**Type BG-1**).

This basic system consists of an enhanced PVC frame, with built-in pneumatic opening mechanism.

The basic system can be delivered with options for daily ventilation. Electric with a motor spindle (**Type BG-2**) or pneumatic if air compressor is available with auxiliary cylinder (**Type BG-3** or double stage cylinder **Type BG-3-DH**).

The SHEV's system can also be delivered as a complete electrical system. The pneumatic cylinder is then replaced by a 24V motor spindle (**Type BG-E**). This type is often used in smaller rooms like staircases and can be used for daily ventilation.

For the staircases we have also complete package with all the peripherals (**Type BG-E-TP**).

All the Megalux® SHEV systems are pre-assembled for easy mounting on the roof.

Smoke and Heat exhaust ventilation systems

Pneumatic SHEV 165° System

						Without ventilation				With ventilation	
Daylight size D in cm	Roof opening size	Ag m ²	Type spoiler	Aw m ² with spoiler	Aw m ² without spoiler	Type*	E-motor Type*	Auxiliary cylinder Type*	Double stage cyl. Type*		
80 x 80	100 x 100	1,000	n/a	n/a	0,600	1604	CO2	2030	2004	1945	
100 x 100	120 x 120	1,440	1	0,936	0,864	1698	24gr	2122	2096	2038	
105 x 105	125 x 125	1,563	1	1,016	0,938	1734	24gr	2160	2133	2076	
130 x 130	150 x 150	2,250	1	1,575	1,283	1805	24gr	2228	2203	2146	
160 x 160	180 x 180	3,240	3	2,268	1,782	1906	40gr	2331	2305	2247	
180 x 180	200 x 200	4,000	4	2,800	2,200	1994	55gr	2419	2393	2335	
200 x 200	220 x 220	4,840	4	3,388	2,662	4485	80gr	4911	4884	4825	
80 x 130	100 x 150	1,500	1	0,975	0,900	1669	24gr	2093	2069	2010	
80 x 180	100 x 200	2,000	2	1,300	1,200	1733	24gr	2159	2132	2074	
80 x 220	100 x 240	2,400	2	1,560	1,440	1788	24gr	2215	2190	2131	
80 x 230	100 x 250	2,500	2	1,625	1,500	1803	24gr	2227	2201	2145	
100 x 130	120 x 150	1,800	1	1,175	1,080	1707	24gr	2132	2107	2048	
100 x 160	120 x 180	2,160	3	1,404	1,188	1753	24gr	2179	2153	2094	
100 x 220	120 x 240	2,880	3	1,958	1,584	1790	24gr	2216	2191	2132	
100 x 230	120 x 250	3,000	3	2,040	1,650	1802	40gr	2226	2200	2143	
105 x 230	125 x 250	3,125	3	2,122	1,719	1808	40gr	2234	2207	2149	
130 x 160	150 x 180	2,700	1	1,890	1,539	1805	40gr	2228	2203	2146	
130 x 190	150 x 210	3,150	1	2,205	1,764	1861	40gr	2287	2262	2203	
130 x 220	150 x 240	3,600	4	2,520	1,980	1920	40gr	2346	2319	2262	
130 x 230	150 x 250	3,750	4	2,625	2,062	1938	40gr	2365	2340	2280	
130 x 280	150 x 300	4,500	4	2,925	2,340	2021	55gr	2447	2422	2363	
160 x 220	180 x 240	4,320	3	3,024	2,376	1999	55gr	2424	2397	2341	
160 x 230	180 x 250	4,500	3	3,150	2,475	2021	55gr	2447	2422	2363	
160 x 280	180 x 300	5,400	4	3,510	2,754	2060	80gr	2486	2461	2403	
180 x 280	200 x 300	6,000	5	3,900	3,000	2205	80gr	2631	2604	2546	

Surcharge Spoilers (to improve Aw) **111**

Surcharge open/close (for remote service) **87**

System BG-1 = Reinforced PVC frame + Pneumatic opening mechanism pre-assembled.

System BG-2 = System BG-1 + Electrical ventilation with motor spindle 230V/300 mm opening.

System BG-3 = System BG-1 + Pneumatic ventilation with auxiliary cylinder 300 mm opening.

System BG-3-DH = System BG-1 + Pneumatic ventilation with auxiliary double stage cylinder 300 mm opening.

System BG-E = System BG-1 with 24 Volt motor instead of Pneumatic cylinder.

System BG-E-TP = System BG-E for staircase (control unit 2-1-4A + smoke sensor + 2x alarm button + switch cabling not included).

Electrical SHEV 165° System

Daylight size D in cm	Roof opening size	Ag m ²	Type spoiler	Aw m ² Double stage cylinder	Aw m ² without spoiler	Type motor	Type*				
80 x 80	100 x 100	1,000	n/a	n/a	0,600	24V/2A	1657				
100 x 100	120 x 120	1,440	1	0,936	0,864	24V/4A	1748				
105 x 105	125 x 125	1,563	1	1,016	0,938	24V/4A	1783				
130 x 130	150 x 150	2,250	1	1,575	1,283	24V/4A	1852				
160 x 160	180 x 180	3,240	3	2,268	1,782	24V/6A	2011				
80 x 130	100 x 150	1,500	1	0,975	0,900	24V/2,6A	1773				
80 x 180	100 x 200	2,000	2	1,300	1,200	24V/2,6A	1782				
100 x 130	120 x 150	1,800	1	1,175	1,080	24V/4A	1757				
100 x 160	120 x 180	2,160	3	1,404	1,188	24V/4A	1803				
100 x 220	120 x 240	2,880	3	1,958	1,584	24V/4A	1839				
100 x 230	120 x 250	3,000	3	2,040	1,650	24V/4A	1849				
105 x 230	125 x 250	3,125	3	2,122	1,719	24V/4A	1856				
130 x 160	150 x 180	2,700	1	1,890	1,539	24V/6A	1852				
130 x 190	150 x 210	3,150	1	2,205	1,764	24V/6A	1966				

Surcharge BG-E to BG-E-TP
(Staircase system) **1304**

Surcharge control 24V motors **728**

RWA control station 2-4A **728**

1759

RWA control station 5-8A **2007**

2007

Includes storage Battery for

72 hours emergency current.

Other sizes on demand

Optical smoke sensor **183**

Alarm button with entry window **156**

369

Thermo sensor 70 °C **89**

Build-on switch

Other sizes on demand

* Skydome and curb not included

Technical data

EN 1873:2014 + A1:2016

Rooftlights in Acrylic (AC) or Polycarbonate (PC)

Rooftlights in combination with ISO-frame or Glass-window

	Ur-value* (W/m ² K) EN 1873:2014 + A1:2016			LT-value (%) EN 13468, EN 16153, EN 410			g-value (%) EN 410			Rw-value** (dB) EN ISO 140-3				
	Skydome	Skydome + ISO-frame	Skydome + Glass-window	Skydome	Skydome + ISO-frame	Skydome + Glass-window	Skydome	Skydome + ISO-frame	Skydome + Glass-window	Skydome	Skydome + ISO-frame	Skydome + Glass-window		
	1-S Skydome	Clear (C)	5,70	0,86	1,20	92	32	73	85	26	49	21	27	40
Acrylic (AC)	1-S Skydome	Opal (O)	5,70	0,86	1,20	84	29	66	76	23	44	21	27	40
	2-S Skydome	Clear (C/C)	2,94	0,76	0,95	85	30	67	75	23	44	23	29	40
	2-S Skydome	Opal (O/C)	2,94	0,76	0,95	78	27	62	66	20	38	23	29	40
	2-S Skydome	Opal (O/O)	2,94	0,76	0,95	74	26	58	64	19	37	23	29	40
	2-S Skydome	Heatstop	2,94	0,76	0,95	47	16	37	32	10	19	23	29	40
	3-S Skydome	Clear (C/C/C)	1,92	0,69	0,85	78	27	62	67	20	39	25	31	40
	3-S Skydome	Opal (O/C/C)	1,92	0,69	0,85	71	25	56	62	19	36	25	31	40
	4-S Skydome	Clear (C/C/C/C)	1,43	0,63	0,77	72	25	57	59	18	34	26	33	40
	4-S Skydome	Opal (O/C/C/C)	1,43	0,63	0,77	66	23	52	52	16	30	26	33	40
	6-S ISO Dome	Opal (C/C/O)	1,36	0,62	0,76	65	23	51	48	14	28	24	32	40
	6-S ISO Dome	Opal (O/C/O)	1,36	0,62	0,76	59	21	47	46	14	27	24	32	40
Polycarbonate (PC)	1-S Skydome	Clear (C)	5,70	0,86	1,20	90	32	71	82	25	48	21	27	40
	1-S Skydome	Opal (O)	5,70	0,86	1,20	84	29	66	76	23	44	21	27	40
	2-S Skydome	Clear (C/C)	2,94	0,76	0,95	81	28	64	72	22	42	23	29	40
	2-S Skydome	Opal (O/C)	2,94	0,76	0,95	74	26	58	62	19	36	23	29	40
	2-S Skydome	Opal (O/O)	2,94	0,76	0,95	68	24	54	58	17	34	23	29	40
	2-S Skydome	Heatstop	2,94	0,76	0,95	45	16	36	32	10	19	23	29	40
	3-S Skydome	Clear (C/C/C)	1,92	0,69	0,85	73	26	58	65	20	38	25	31	40
	3-S Skydome	Opal (O/C/C)	1,92	0,69	0,85	64	22	51	54	16	31	25	31	40
	4-S Skydome	Clear (C/C/C/C)	1,43	0,63	0,77	66	23	52	57	17	33	26	33	40
	4-S Skydome	Opal (O/C/C/C)	1,43	0,63	0,77	60	21	47	48	14	28	26	33	40
	6-S ISO Dome	Opal (C/C/O)	1,36	0,62	0,76	56	20	44	43	13	25	24	32	40
	6-S ISO Dome	Opal (O/C/O)	1,36	0,62	0,76	52	18	41	41	12	24	24	32	40

* U-value per size / version is available on request

** Frequency curve per size / version is available on request

ISO-frame = 10-wall PC-plate, thickness 32 mm
Glass-frame = Insulating glass HR++

U-value (W/m ² K) EN 1873:2014 + A1:2016			LT-value (%) EN 13468, EN 16153, EN 410			g-value (%) EN 410			Rw-value (dB) EN ISO 140-3		
ISO-frame	Opal (O)	1,14		35		30			25		
Glass-frame	Clear (C)	1,10		79		58			40		

Insulation value of curbs, Uup value* (W/m²K)

EN 1873:2014 + A1:2016, EN ISO 10211

PVC curb (separated compartments)

	Uup
- PVC SF16 (height 160 mm, thick 25 mm)	2,9
- PVC BF16 (height 160 mm, thick 70 mm)	1,9
- PVC RO16 (height 160 mm, thick 70 mm)	1,8
- PVC BF16 EP (height 160 mm, EPS thick 70 mm)	0,59
- PVC RO16 EP (height 160 mm, EPS thick 70 mm)	0,61

Polyester curb (GF-UP)

	Uup
- POL H15 (height 150 mm, PUR thick 10 mm)	2,30
- POL E15 (height 150 mm, PUR thick 20 mm)	1,30
- POL E15/6 (height 150 mm, PUR thick 60 mm)	0,87
- POL E15/8 (height 150 mm, PUR thick 80 mm)	0,83
- POL E30 (height 300 mm, PUR thick 20 mm)	1,10
- POL E30/6 (height 300 mm, PUR thick 60 mm)	0,59
- POL E30/8 (height 300 mm, PUR thick 80 mm)	0,53
- POL E50 (height 500 mm, PUR thick 20 mm)	1,00
- POL E50/6 (height 500 mm, PUR thick 60 mm)	0,48
- POL E50/8 (height 500 mm, PUR thick 80 mm)	0,41

Other technical data and performance of skydomes

Resistance to upward load (wind)

Acrylic (AC)

UL 1500 - UL 3000

Resistance to downward load (snow)

DL 1125 - DL 2500

DL 1125 - DL 2500

Reaction to fire (EN 13501-1)

B, s1, d0

Small hard body impact (250 g, drop from 1 m)

Pass

Large soft body impact (50 kg bag)

Fail

Durability

ΔA, Cu 1, Ku 1

ΔA, Cu 1, Ku 1

Impact strength in comparison to glass

25x

Bending strength

105 N/mm²

105 N/mm²

E-Modulus (ISO 527)

3300 N/mm²

3300 N/mm²

Form resistance (Vicat) (ISO 306)

102 °C

102 °C

Ug-value = Thermal transmittance of glass (W/m²K)

Ur-value = Thermal transmittance of a rooflight (W/m²K)

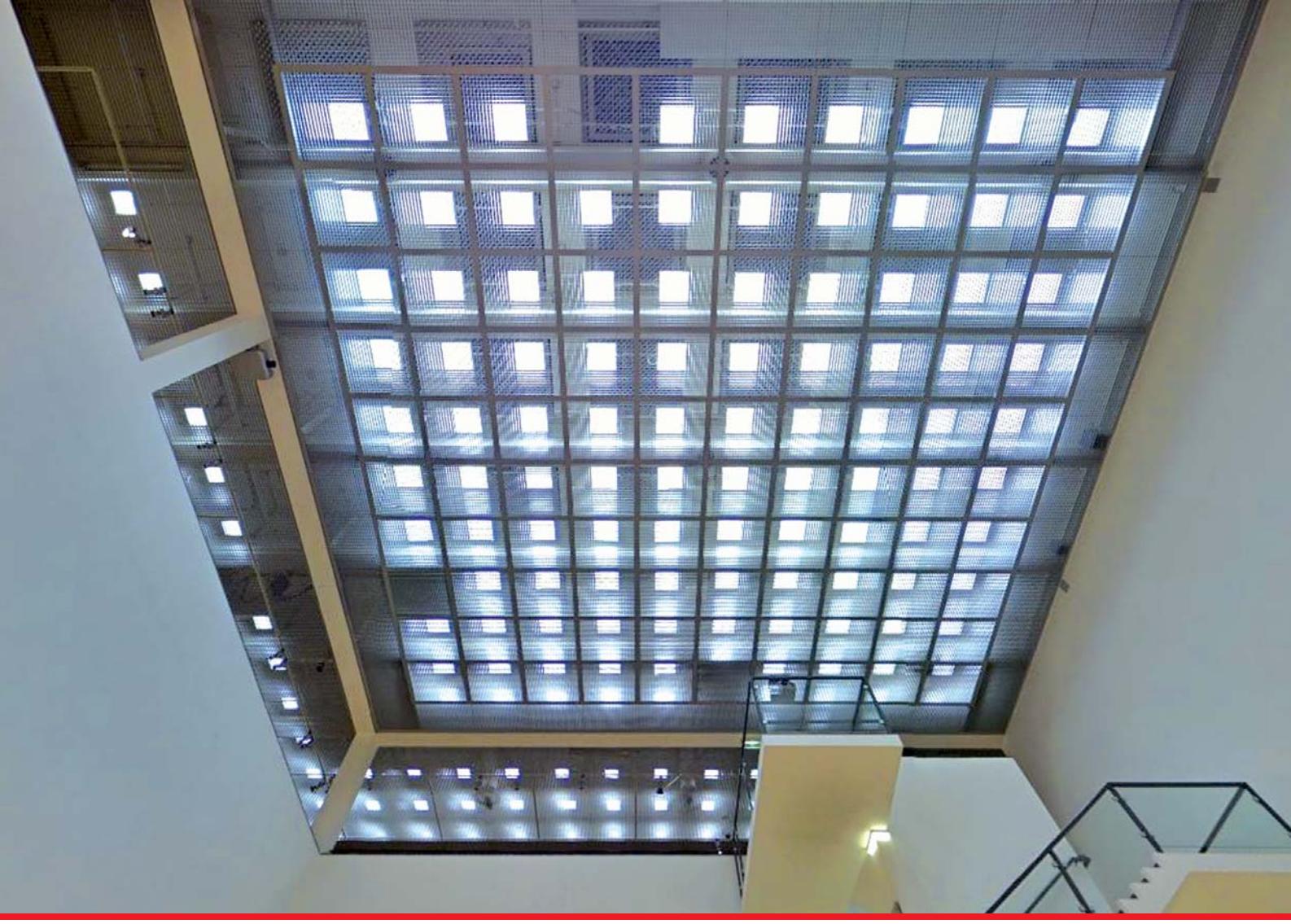
Uup-value = Thermal transmittance of the upstand (W/m²K)

LT-value = Light transmission (%)

g-value = Total Solar energy transmittance (%)

Rw-value = Direct airborne sound insulation (dB)

* U-value per size / version is available on request



Prices, guarantee, quality and conditions

Prices

- Gross prices Van Deudekom Plastics bv: as of February 1 2022.
- Prices are in € excl. VAT.
- Other sizes and variations are available on request.

Guarantee

Megalux®-skydomes, curbs and ventilation systems, when installed in accordance with instructions, are guaranteed for a period of ten years. Guarantee certificate available on request.

Quality

Megalux®-skydomes are developed, produced and delivered according to ISO-9001.

Conditions

Delivery is according to the general sales conditions as registered by the Chamber of Commerce in Amsterdam by number 3480.

Price list: edition February 2022.

Subject to amendments.



Van Deudekom Plastics bv

Oceanenweg 9, 1047 BA Amsterdam, The Netherlands
P.O. Box 59353, 1040 KJ Amsterdam, The Netherlands
Phone + 31 20 497 90 90, fax +31 20 497 90 92
E-mail: info@vandeudekom.nl
website: <http://www.vandeudekom.nl>