

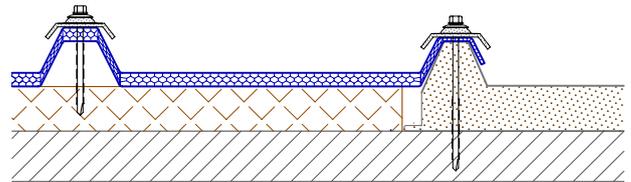
(*) Standard width of lateral hooks - alterable on request

Minimum recommended inclination: 4° (7%)

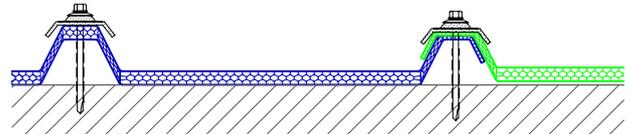
TECHNICAL DATA GRECA 4			
Thickness	12	16	mm
Total height	52	56	mm
Number of walls	[4] honeycomb		
Number of waves	4		
Pitch of waves	~ 333 mm		
Modular width	1000 ± 5 mm		
Standard length	6000 mm		
Length on request	max. 13500 mm		
Thermal transmission [U]	2,25	1,99	W/m²K
Light transmission:	Transparent (*)	~ 61	~ 56
	White Opaline	~ 45	~ 40
Thermal expansion	0,065		mm/mK
Temperature range	-40 / +120 °C		
Fire classification EN 13501-1	B s1 d0		
(*) standard - other colours produced on request for quantities			



Perfect placement one upon another
End edges thermosealed



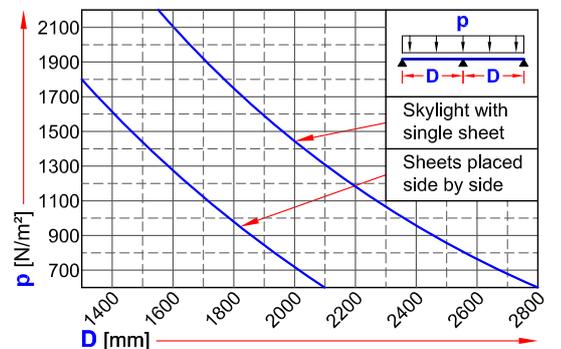
Side junction on composite panel roof



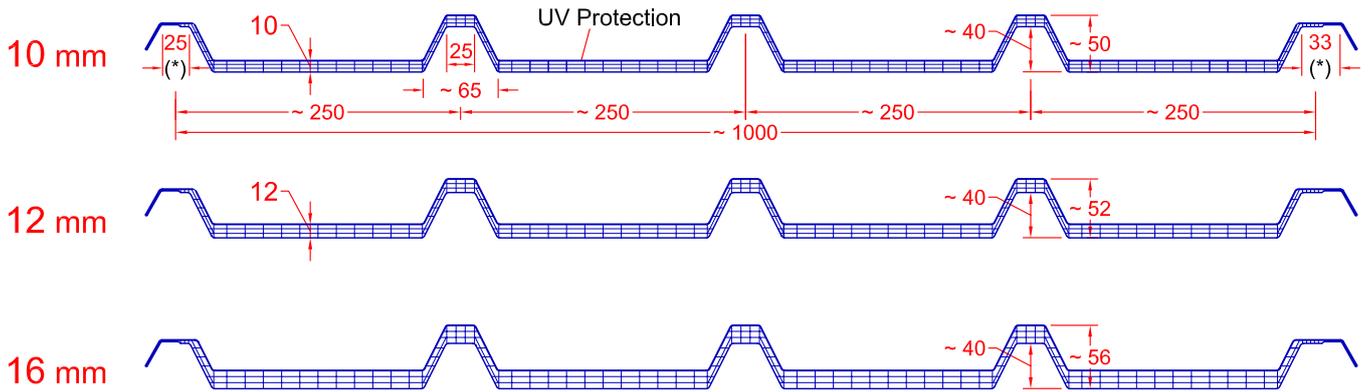
Sheets placed side by side

ACCESSORIES	Description
	PE-shaped inlay - top
	PE-shaped inlay - bottom
	Selftapering screw for steel and Maxi washer with gasket
	Cap straight with gasket
	PE adhesive gasket - 10 mt. rolls

LOAD TABLE GRECA 4 - 12 mm



D = Distance between supports
For the load with thickness 16 mm sheets, pls ask to Akraplast

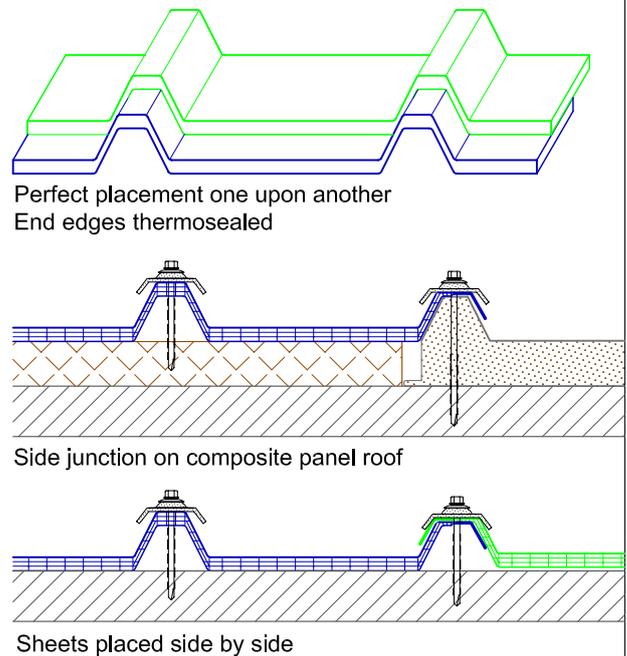


(*) Standard width of lateral hooks - alterable on request

Minimum recommended inclination for roofing: 4° (7%)

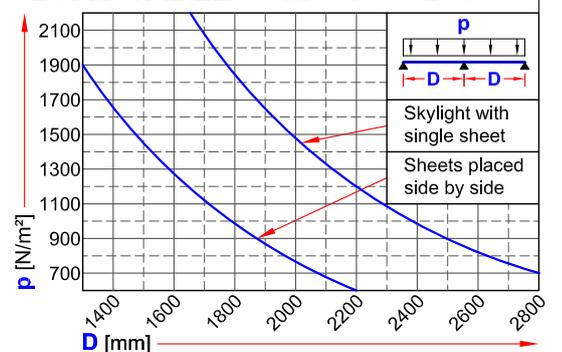
TECHNICAL DATA GRECA 5					
Thickness	10	12	16	mm	
Total height	50	52	56	mm	
Number of walls	4			n	
Number of waves	5			n	
Pitch of waves	~ 250			mm	
Modular width	1000 ± 5			mm	
Standard length	6000			mm	
Length on request	max. 13500			mm	
Thermal transmission [U]	2,57	2,35	2,05	W/m²K	
Light transmission:	Transparent (*)	~ 68	~ 67	~ 66	%
	White Opaline	~ 50	~ 49	~ 48	%
Thermal expansion	0,065			mm/mK	
Temperature range	-40 / +120			°C	
Fire classification EN 13501-1	B s1 d0				

(*) standard - other colours produced on request for quantities

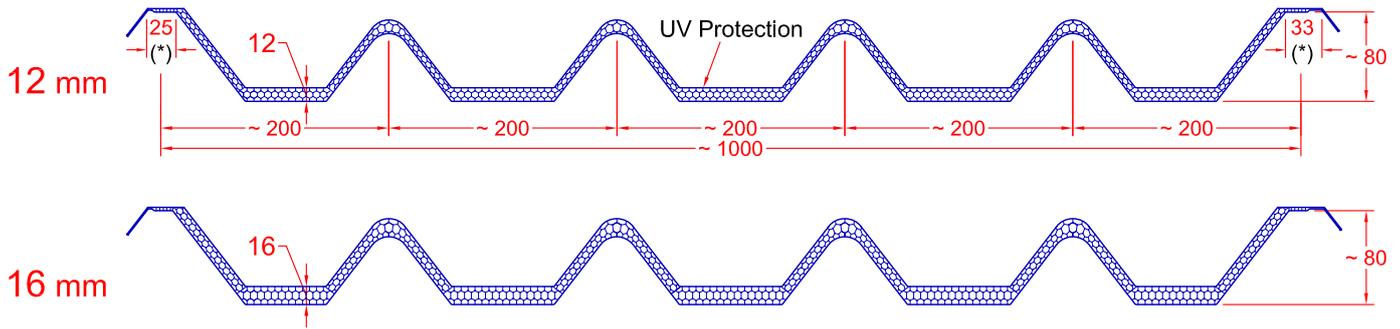


ACCESSORIES	Description
	PE-shaped inlay - top
	PE-shaped inlay - bottom
	Selftapering screw for steel and Maxi washer with gasket
	Cap straight with gasket
	PE adhesive gasket - 10 mt. rolls

LOAD TABLE GRECA 5 - 12 mm



D = Distance between supports
For the load with thickness 16 mm sheets, pls ask to Akraplast

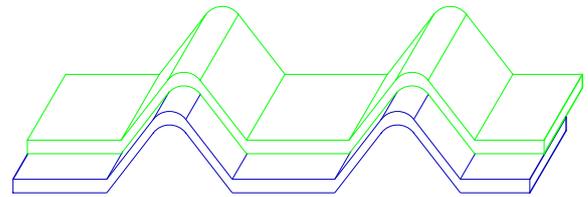


(*) Standard width of lateral hooks - alterable on request

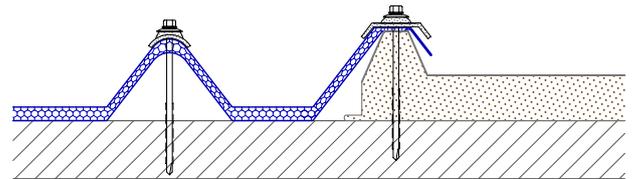
Minimum recommended inclination for roofing: 4° (7%)

TECHNICAL DATA GRECA MAXI			
Thickness	12	16	mm
Total height	82	86	mm
Number of walls	[4] honeycomb		
Number of waves	6		
Pitch of waves	~ 200 mm		
Modular width	1000 ± 5 mm		
Standard length	6000 mm		
Length on request	max. 13500 mm		
Thermal transmission [U]	2,25	1,99	W/m²K
Light transmission:	Transparent (*)	~ 64	~ 60 %
	White Opaline	~ 48	~ 43 %
Thermal expansion	0,065 mm/mK		
Temperature range	-40 / +120 °C		
Fire classification EN 13501-1	B s1 d0		

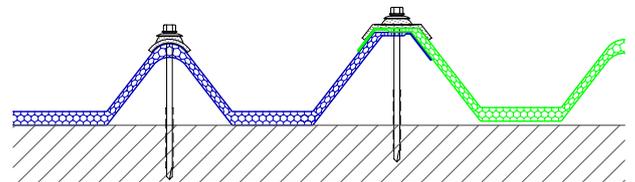
(*) standard - other colours produced on request for quantities



Perfect placement one upon another
End edges thermosealed



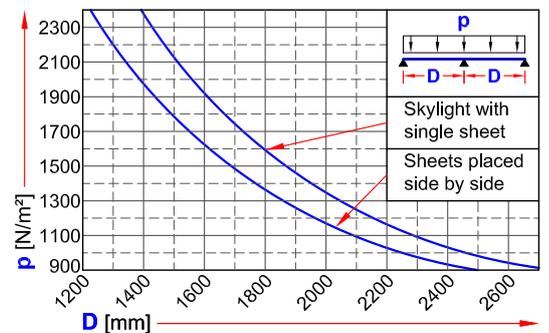
Side junction on composite panel roof



Sheets placed side by side

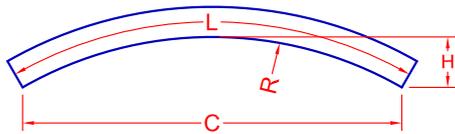
ACCESSORIES	Description
	PE-shaped inlay - top
	PE-shaped inlay - bottom
	Selftapering screw for steel and Maxi washer with gasket
	Cap straight with gasket Cap curved with gasket
	PE adhesive gasket - 10 mt. rolls

LOAD TABLE GRECA MAXI - 12 mm



D = Distance between supports
For the load with thickness 16 mm sheets,
pls ask to Akraplast

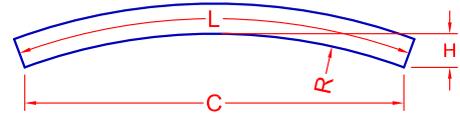
Curved by heating R~3500 mm
(Lmax = 4000 mm)



Examples of geometry R.3500 mm

L	GRECA 4 GRECA 5		GRECA MAXI		mm
	C	H	C	H	
1200	1187	51	1181	50	mm
1500	1480	79	1472	78	mm
2000	1962	140	1951	139	mm
2500	2434	218	2421	216	mm
3000	2893	313	2878	310	mm
3500	3338	424	3321	419	mm
4000	3767	550	3748	544	mm

Curved by heating R~6000 mm
(Lmax = 5500 mm)

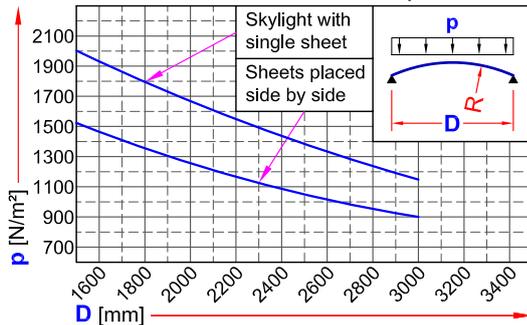


Examples of geometry R.6000 mm

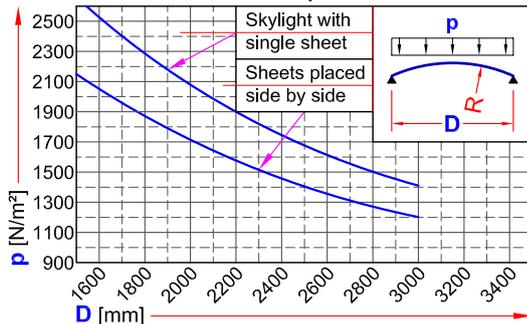
L	GRECA 4 GRECA 5		GRECA MAXI		mm
	C	H	C	H	
1200	1194	30	1190	30	mm
1500	1491	46	1486	46	mm
2000	1984	83	1978	82	mm
2500	2474	129	2466	128	mm
3000	2959	185	2950	184	mm
3500	3439	252	3428	250	mm
4000	3914	328	3901	326	mm
4500	4381	414	4368	412	mm
5000	4841	510	4826	507	mm
5500	5293	615	5277	611	mm

LOAD TABLE curved R.3500

GRECA 4 / GRECA 5 - sp. 12 mm



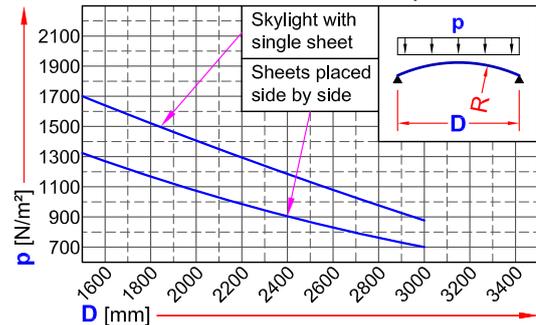
GRECA MAXI - sp. 12 mm



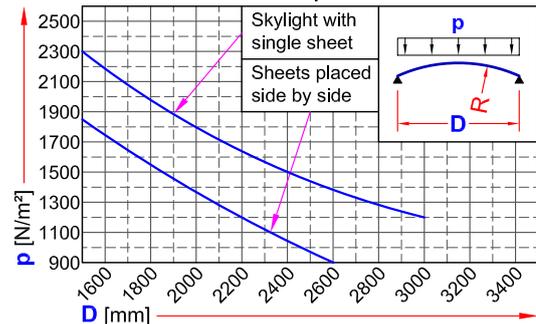
D = Distance between supports

LOAD TABLE curved R.6000

GRECA 4 / GRECA 5 - sp. 12 mm



GRECA MAXI - sp. 12 mm



ACCESSORIES	Description
	Curved profile for support 37x34x1 mm in plastic coated steel 10/10
Other accessories as per straight sheets	

For the load with thickness 16 mm sheets, pls ask to Akraplast

For the load with the support profile, pls ask to Akraplast

SPECIFICATION TEXT

Flat skylight / Domed skylight R=3500 mm (R=6000 mm) / Roofing (1) with extruded profiled sheets in multi-walls polycarbonate, external side UV-protected, end edges thermosealed, modular width 1000 mm, **number of waves (2), thickness mm (3), total height mm (4), thermal transmission $U \leq \dots$ W/m²K (4), colour (5), PE-inlay shaped, gasket and more for a perfect maintenance of the structure (6)** (type **AKRALUX Greca** of Akraplast Sistemi).

- (1) alternatively: select type of application.
- (2) alternatively: **4; 5; 6** - in relation to the selected sheet.
- (3) alternatively: **10 mm; 12 mm; 16 mm** - in relation to the selected sheet.
- (4) values in relation to the selected sheet - see list **TECHNICAL DATA**.
- (5) alternatively: **Transparent; White Opaline**; other
- (6) accessories not necessary for opening roofings.

WARRANTIES

The **AKRALUX Greca** sheets are protected against UV-rays on the external side with co-extrusion process. In Europe they are covered by **10 YEARS WARRANTY** from the date of purchase against yellowing and weather damages (hail etc.). For Extra-European Countries the warranty may have a different duration. For further details, please ask for the Warranty Certificate.

CERTIFICATIONS

With regards to the fire performance, the **AKRALUX Greca** sheets are classified in European Fire Class **EN 13501-1 B s1 d0**. For further details, please ask for the respective certificates for the different countries.

RESISTANCE to CHEMICAL AGENTS

Please contact us to ask about compatibility with chemical agents.

POSITIONING, TOOLS and FIXING

The sheets should be positioned with the UV protected side being on the external face.
Recommended minimum slope 4° (7%).

When cutting the sheets a metal saw with fine teeth should be used.

The positioning of the sheets is the same as metal profiled sheets and sandwich panels, likewise the tools for working with the product are the same as would be used for metal sheeting.

Screws with a washer gaskets and shaped crown washers with a gasket are used to fix the sheets.

When fixing the sheets pre-drill a bore hole, which must be wider than the screw diameter, to allow thermal movements.

If required, a compatible silicone for use with polycarbonate should be used.

CARE and MAINTENANCE

The sheets should not be stored without proper protection under the influence of sun and weather.

It's recommended to clean the sheets regularly in order to remove dirt due to dust and atmospheric pollution.

To clean the sheets use cold or lukewarm water and (if necessary) neutral detergents. Don't use abrasive cloths, hot water and/or chemical detergents. Avoid to clean the sheets when they are overheated by the sun.

Responsability clause: the values and recommendations given are to the best of our knowledge, true and accurate. Since the conditions under which the products may be used are beyond our control, recommendations are made without guarantee. These indications do not exempt the customer to ensuring that the materials selected meet their requirements and the laws and regulations in force.

AKRAPLAST Sistemi SpA reserves the right to change specifications at any time.