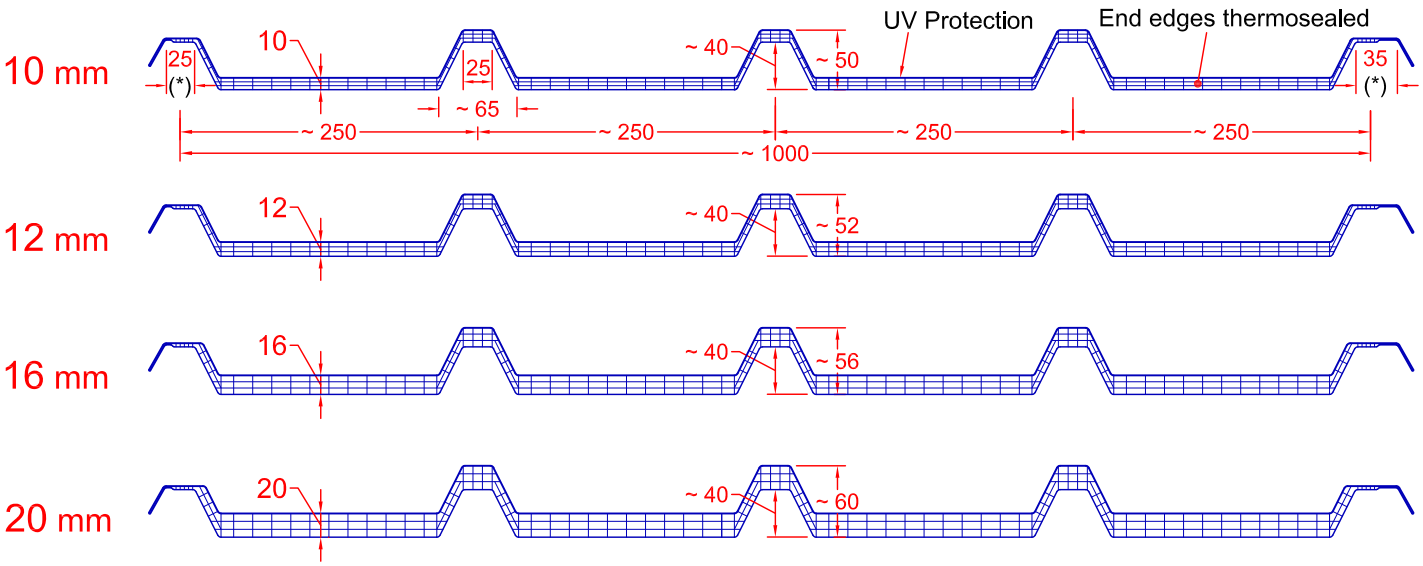
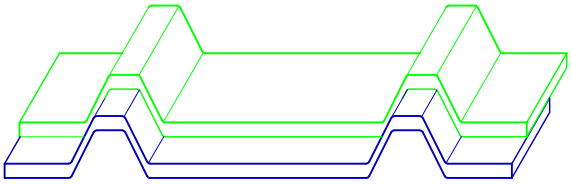
GRECA 5



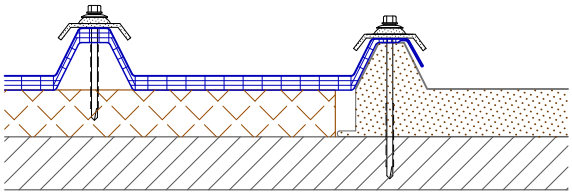
(*) Standard width of lateral hooks 25 / 35 mm- alterable on request (min 20, max 40 mm)

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

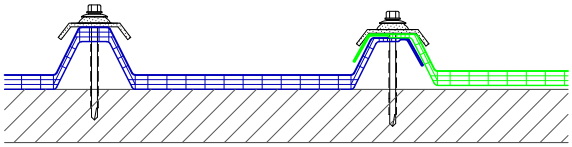
TECHNICAL DATA GRECA 5					
Thickness	10	12	16	20	mm
Total height	50	52	56	60	mm
Number of walls	4				n
Number of waves	5				n
Pitch of waves	~ 250				mm
Modular width	1000 ± 5				mm
Standard length	6000				mm
Length on request	max. 13500				mm
Thermal transmission [U]	2,57	2,35	2,04	1,83	W/m²K
Light transmission: Transparent (*)	~ 68	~ 68	~ 67	~ 67	%
White Opaline	~ 60	~ 60	~ 57	~ 55	%
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					



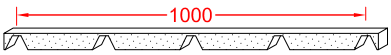
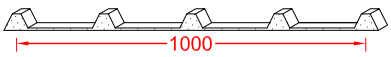
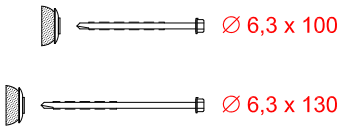
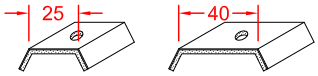
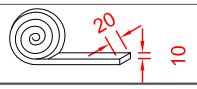
Perfect placement one upon another



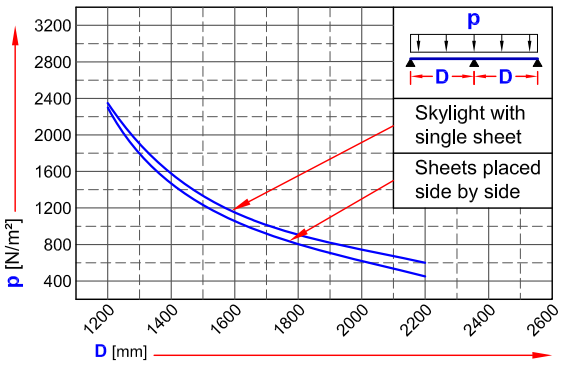
Side junction on composite panel roof



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 5 - 10-12 mm (*)

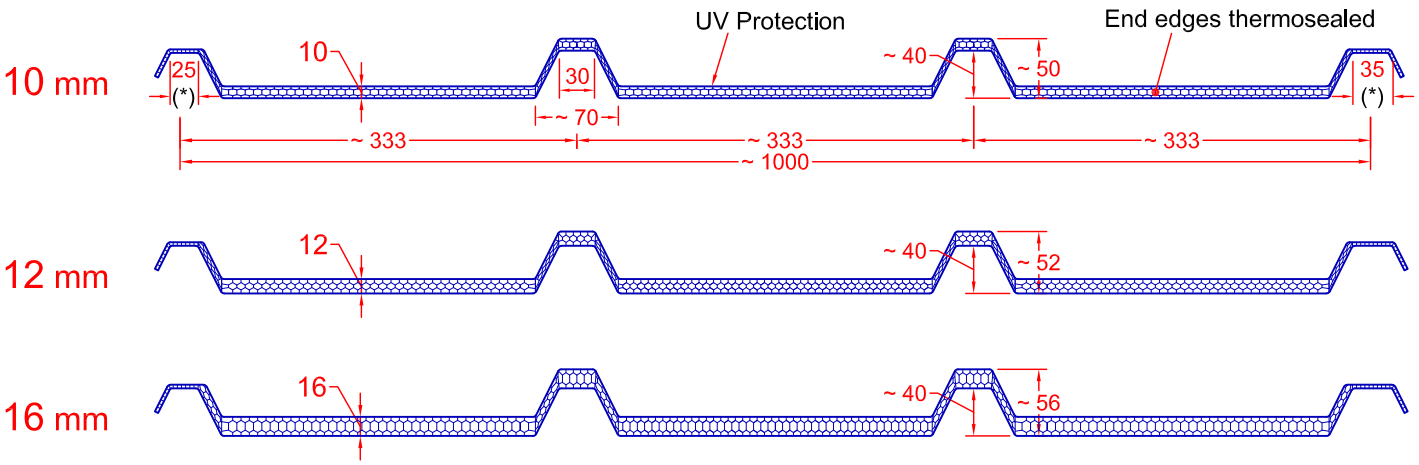


D = Distance between supports

(*) For the load with thickness 16-20 mm sheets, pls ask to Akraplast

AKRAPLAST Sistemi S.r.l. - I - 20026 Novate Milanese (Mi) - via Cascina del Sole, 70
Tel: (+39) 02 35 13 91 1 - Fax: (+39) 02 35 13 91 50 - E-mail: info@akraplast.com - www.akraplast.com

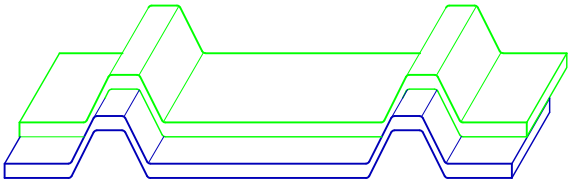
GRECA 4



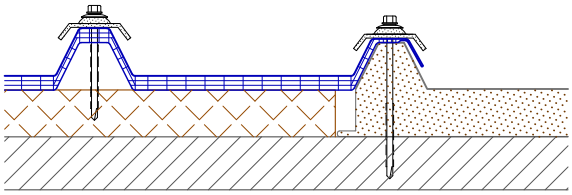
(*) Standard width of lateral hooks 25 / 35 mm- alterable on request (min 20, max 40 mm)t

Minimum recommended inclination: 4° (7%)

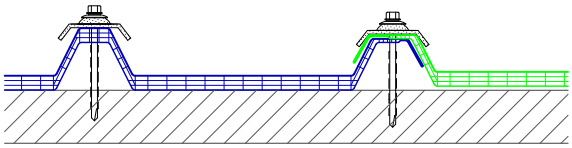
TECHNICAL DATA GRECA 4				
Thickness	10	12	16	mm
Total height	50	52	56	mm
Number of walls	[4] honeycomb			
Number of waves	4			
Pitch of waves	~ 333			mm
Modular width	1000 ± 5			mm
Standard length	8000			mm
Length on request	max. 13500			mm
Thermal transmission [U]	2,48	2,20	1,99	W/m²K
Light transmission: Transparent (*)	~ 65	~ 64	~ 69	%
White Opaline	~ 55	~ 53	~ 52	%
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				



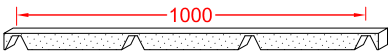
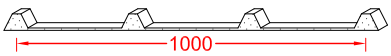
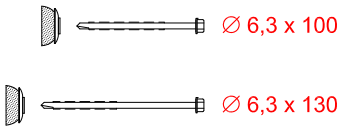
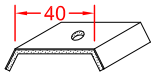
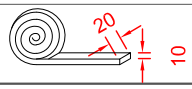
Perfect placement one upon another



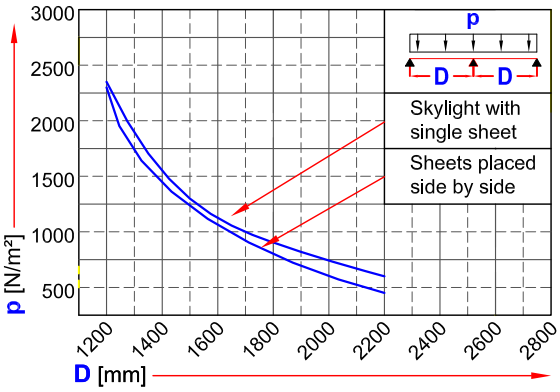
Side junction on composite panel roof



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 (*)

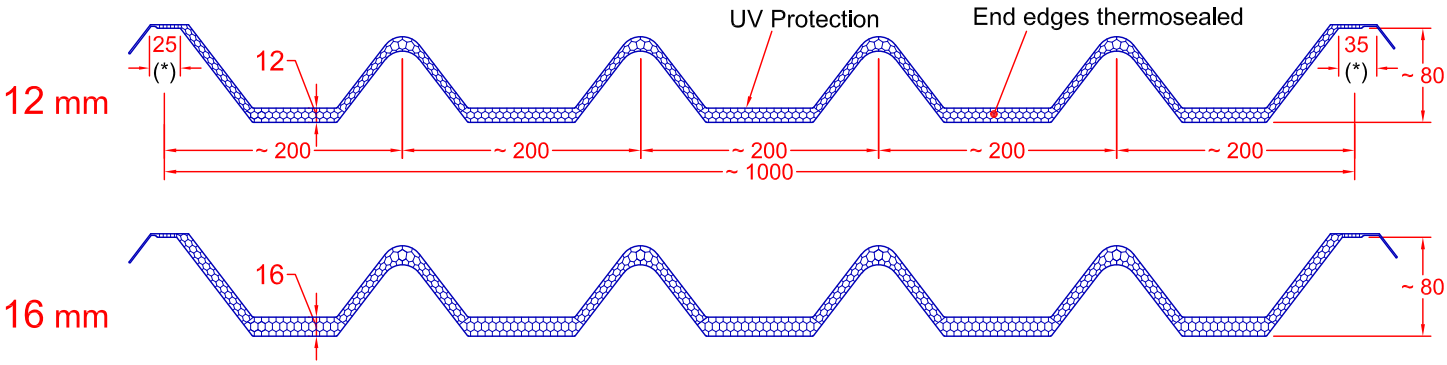


D = Distance between supports

(*) For the load with thickness 10-16 mm sheets, pls ask to Akraplast

AKRAPLAST Sistemi S.r.l. - I - 20026 Novate Milanese (Mi) - via Cascina del Sole, 70
Tel: (+39) 02 35 13 91 1 - Fax: (+39) 02 35 13 91 50 - E-mail: info@akraplast.com - www.akraplast.com

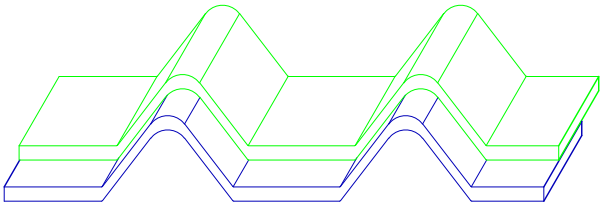
GRECA MAXI



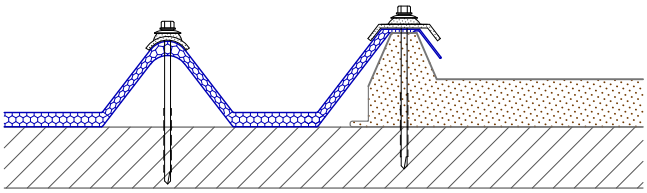
(*) Standard width of lateral hooks 25 / 35 mm- alterable on request (min 20, max 40 mm)

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

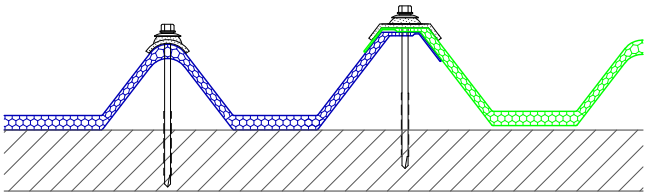
TECHNICAL DATA GRECA MAXI			
Thickness	12	16	mm
Total height	82	86	mm
Number of walls	[4] honeycomb		
Number of waves	6		
Pitch of waves	~ 200		mm
Modular width	1000 ± 5		mm
Standard length	6000		mm
Length on request	max. 13500		mm
Thermal transmission [U]	2,30	1,99	W/m²K
Light transmission: Transparent (*)	~ 70	~ 69	%
White Opaline	~ 53	~ 52	%
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



Side junction on composite panel roof

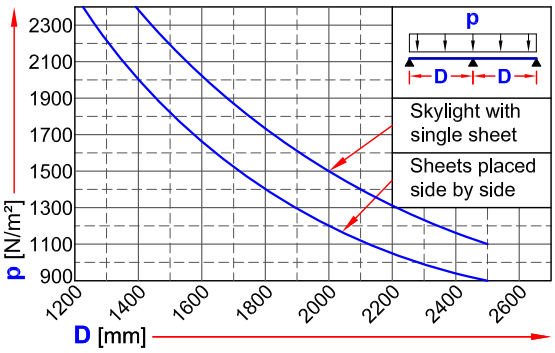


Sheets placed side by side

ACCESSORIES	Description
1000	PE-shaped inlay - top
1000	PE-shaped inlay - bottom
∅ 6,3 x 130	Selftapering screw for steel and Maxi washer with gasket
40	Cap straight with gasket Cap curved with gasket
20 10	PE adhesive gasket - 10 mt. rolls

LOAD TABLE

GRECA MAXI - 12 mm (*)



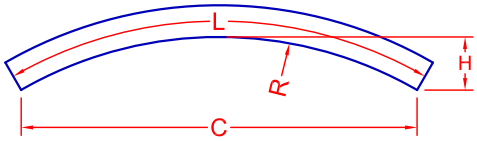
D = Distance between supports

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

GRECA CURVED

Curved by heating R~3500 mm

(**L**max = 4000 mm)

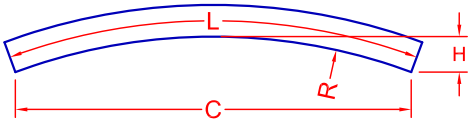


Examples of geometry R.3500 mm

	GRECA 4 GRECA 5		GRECA MAXI		
L	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

(**L**max = 5500 mm)

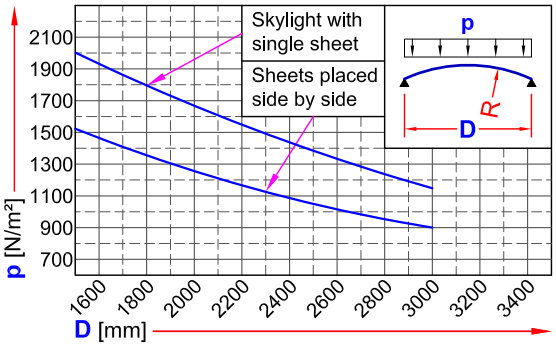


Examples of geometry R.6000 mm

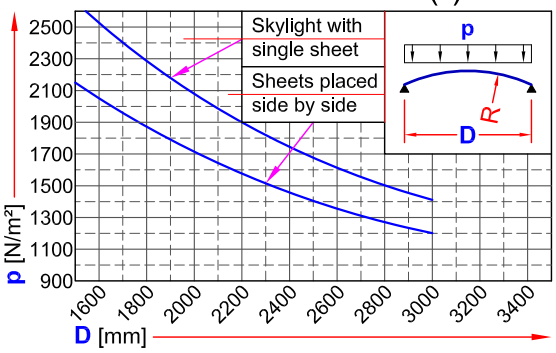
	GRECA 4 GRECA 5		GRECA MAXI		
L	C	H	C	H	
1200	1194	30	1190	30	mm
1500	1491	46	1486	46	mm
2000	1984	83	1978	82	mm
2500	2474	129	2466	128	mm
3000	2959	185	2950	184	mm
3500	3439	252	3428	250	mm
4000	3914	328	3901	326	mm
4500	4381	414	4368	412	mm
5000	4841	510	4826	507	mm
5500	5293	615	5277	611	mm

LOAD TABLE curved R.3500

GRECA 4 / GRECA 5 - 12 mm (*)

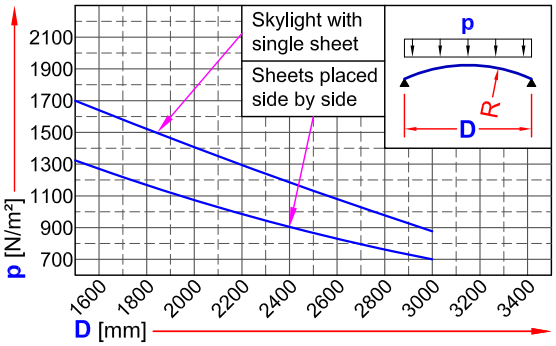


GRECA MAXI - 12 mm (*)

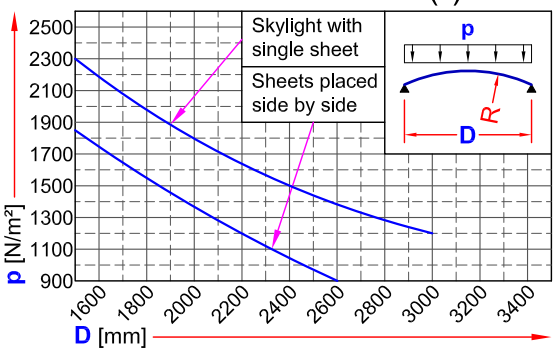


LOAD TABLE curved R.6000

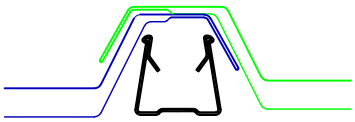
GRECA 4 / GRECA 5 - 12 mm (*)



GRECA MAXI - 12 mm (*)



D = Distance between supports

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

(*) For the load with other thickness, 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≤ ... 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; **20** 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 wheather
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.