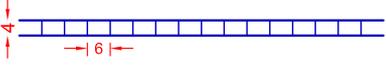
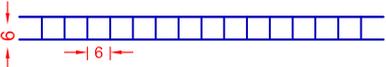
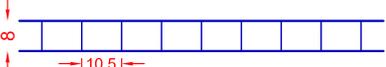
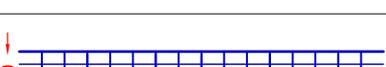
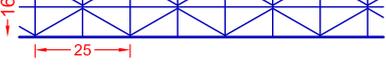


External wall UV protected 				Weight kg/m <sup>2</sup>	Minimum bending radius mm	Light transmission			Thermal transmission [U-value] W/m <sup>2</sup> K	Sound- proofing [Rw] dB
	S	B	L (**)			transp. (***)	opaline (***)	bronze (***)		
	mm	mm	mm			%	%	%		
	4	2100	6000	0,8	700	79	77	59	4,1	
	6	2100	6000	1,3	900	79	77	48	3,7	
	8	2100	6000	1,5	1200	81	78	48	3,3	
	10	2100 1250 (*)	6000	1,7	1500	80	70	41	3,1	16
	10 4-walled	2100 1250 (*)	6000	1,75	1500	68	61	-	2,5	17
	16 5X	2100 1220	6000	2,4	3000	66	54	26	2,0	18
	20 5X	2100 (*) 1200 (*)	6000	3,0	3000	60	40	35	1,9	20
	25 5X	2100 (*) 1200 (*)	6000	3,3	-	60	25	35	1,5	18
	32 5M	1200	6000	3,7	-	48	38	12	1,1	18

<b>NOTES</b>	(*) width produced on request for quantities
	(**) standard length - other lengths produced on request for quantities
	(***) standard colours - other colours produced on request for quantities

<b>GENERAL PROPERTIES of Polycarbonate</b>	Thermal expansion	0,065	mm/m K
	Temperature range	-40 / +120	°C

**Responsibility clause:** all information and technical advice given are made in good faith and based on the best of our knowledge; but having no control over the use of their material, we accept no responsibility for their applications. These indications do not exempt the customer from its controls to determine compliance of materials and installation procedures to their needs and standards. AKRAPLAST Sistemi reserves the right to change specifications at any time.

## WARRANTIES

The **AKRATHERM** 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

Regarding fire performance, the **AKRATHERM** sheets are classified as per **EN 13501-1 B s1 d0 / DIN 4102 B1**. For further details, please ask for copy of the respective certificate.

## RESISTANCE to CHEMICAL AGENTS

Please contact us to ask about compatibility with chemical agents.

## POSITIONING, TOOLS and FIXING

For cutting on size can be used a circular saw with fine teeth or shears. Install the sheets with the UV protected side towards the outside (see the film protection) and with the cells parallel to the direction of the water course. For curved applications they has to be curved along the cells, never perpendicular to the cells. Respect the indicated curved minimum radius, in order to avoid extreme tension of the external surface, which can anticipate the ageing of the sheets. For cutting on size can be used a circular saw with fine teeth or shears; remove chips and dust using compressed air and then close the cells with the special aluminum tape for polycarbonate. Remove the film protection immediately after placing the sheets, to prevent the effect of sticking caused by sun heat. Before screwing an EPDM washer has to be put on top of the bore-hole. The drilled hole has to be wider than the screw diameter to allow thermal movements. If necessary please use only polycarbonate compatible silicon.

## CARE and MAINTENANCE

It is recommended not to store the sheets exposed at the sun or under inclement weather conditions without proper protection. It is recommended to clean the sheets regularly in order to remove dust and atmospheric pollution. To clean the sheets use cold or lukewarm water and (if necessary) neutral detergents. Do not use abrasive cloths, hot water and chemical detergents. Avoid to clean the panels when they are heated by the sun.

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