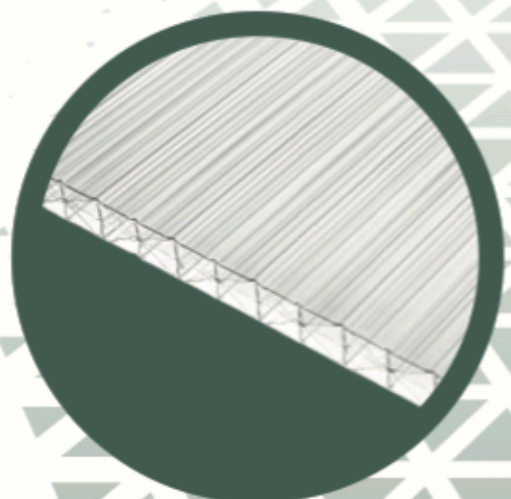
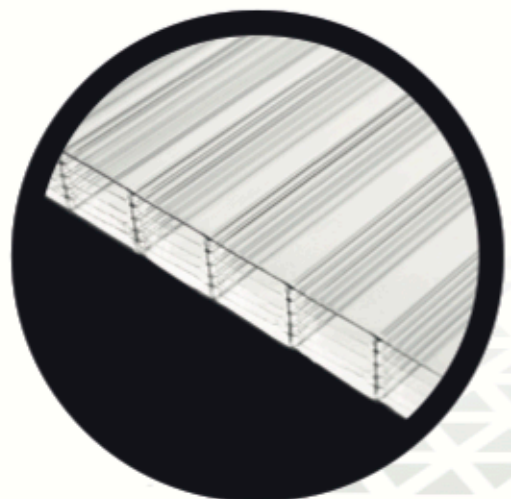
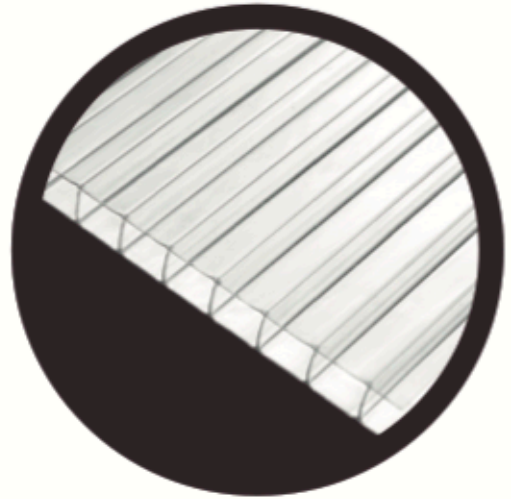
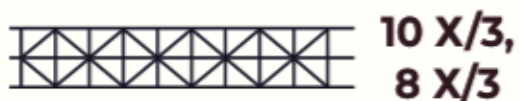
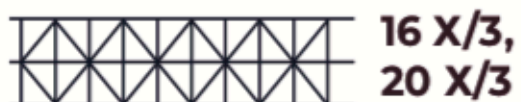


# Types of structures for multiwall polycarbonate sheets

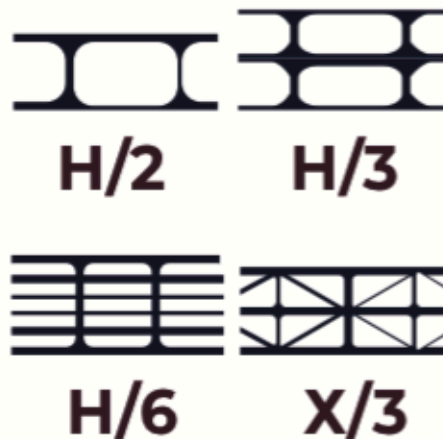




## Multiwall polycarbonate sheets

**SOTON** multiwall polycarbonate sheets are unique constructional thermoplastic materials. They combine excellent mechanical, optical and thermal properties. Variety of applications allows it to be used in different design solutions.

Structure	Thickness, mm	Weight, kg/m <sup>2</sup>	U-factor, W/m <sup>2</sup> K
H/2	4	0,55	3,03
		0,6	4,68
		0,8	4,36
	6	0,84	2,78
		0,93	3,88
		1,3	3,96
	8	1,0	2,70
		1,1	3,56
		1,5	2,63
10	1,12	2,63	
	1,24	3,42	
	1,7	2,56	
H/6	16	2,5	1,85
	20	3,0	1,47
X/3	8	1,55	2,44
	10	1,7	2,27
	16	2,5	1,92
Color	Transparent, bronze, blue, green, milky, opal, blue, turquoise		
Width	2100 / 1050 / 700 cm		



### What to look for

When buying a multiwall polycarbonate sheet, we advise you to pay attention to the weight of sq.m. (indicates strength of the sheet and its long-life) and heat loss coefficient (U-factor, W/m<sup>2</sup>K), which is an important indicator of heat saving.



## Solid polycarbonate sheets

**SOTON** Solid polycarbonate sheets use as a protective coating instead of glass or other plastics. Operating temperature range of solid polycarbonate sheets:  $-40^{\circ}\text{C}$  to  $+120^{\circ}\text{C}$ .

Thickness, mm	Weight, kg/m <sup>2</sup>	U-factor, W/m <sup>2</sup> K	Soundproofing, dB	Light transmission, %
2	2,4	4,72	21,3	89
3	3,6	4,22	23,4	88
4	4,8	4,20	24,2	87
5	6,0	4,10	24,9	87
6	7,2	4,05	25,4	85
8	9,6	3,77	27,7	85
10	12,0	3,60	31,1	83
12	14,4	3,41	32,2	82
Color	Transparent, bronze			
Width	2100 / 2050 / 1050 / 1025 cm			

### Application of a solid sheet:

- ▶ Marketplace constructions;
- ▶ Facade and roofing construction;
- ▶ Public transport stops;
- ▶ Constructions for advertising;
- ▶ Soundproof screens on highways;
- ▶ Pool coverings;
- ▶ Interior design elements;
- ▶ Protective racks;
- ▶ Pedestrian arches and underpasses;
- ▶ Protective fence for sports fields;
- ▶ Office partitions, and many other applications.

*Compliance  
to European  
standards*



**EN 16153:2013+A1:2015  
EN 16240:2014**

## The advantages of collaboration

### **1 OWN MANUFACTURE**

We are the largest manufacturer of polycarbonate sheets in Ukraine.

### **2 EUROPEAN QUALITY**

The quality of our products and high technical production standards confirmed by European quality certificates and comply with EN norms EN 16153:2013+A1:2015 | EN 16240:2014.

### **3 10-15 YEARS' WARRANTY**

You are buying polycarbonate sheets produced on the European equipment from European raw materials with competitive price and up to 15 years guarantee.

### **4 INDIVIDUAL APPROACH**

Work with every client and inquiry; we provide unique conditions for our regular dealers.

### **5 UV AND IR PROTECTION**

**SOTON** sheets don't transmit ultraviolet and infrared radiation. It avoids discoloration for such an unstable materials as fabrics and other organic materials.

### **6 FIRE RESISTANCE**

**SOTON** polycarbonate sheet has high fire safety performance. As any thermoplastic, **SOTON** products melt when heated highly. However, **SOTON** polycarbonate sheets don't support combustion and prevents spread of fire.