



POLYCARBONATE SHEET BS1D0 ZK-801

At present, we have **polycarbonate sheets** with the certificate of fire resistance B, S1, d0. That is the highest rating required of a plastic material. This makes it suitable for use according to the Technical Building Code, DB-SI of 19 February 2010, found in Section IF 1, section '4. Reaction to fire of construction elements and decorative furniture.' The sheets are flat and opaque, copolyester with very good resistance to impact, have a shallow etching one side to smooth out any irregularities in the wall. They are also decorative elements, are highly recommended in waiting rooms, offices ... The smooth face is stuck to the wall by contact glue or neutral silicone (the use of neutral silicone is recommended in closed environments and for its greater simplicity in assembly).



Characteristics of the sheet

- ◆ Our name for these sheet is: ZK801
- ◆ Measurements are 2050mm x 1250mm with a thickness of 2mm, but we can cut in the size you want.
- ◆ The blades are flat and give them mass color,so is hard to see scratches and texturing are very smooth.

- ◆ They have high impact resistance to be made of polycarbonate.
- ◆ Easy recycling, thereby saving natural resources and thereby protect the environment.
- ◆ The installation is very simple: the smooth side is adhere using silicone glue or neutral, the latter facilitates mounting indoors.
- ◆ The sheets can be thermoformed with straight folds up to 2050mm. in length. The number of folds will be based on the final design, so it is performed before each installation

Properties of the sheet

PROPERTY	Value	Unit	Standard
Mechanical properties			
Tensile elongation at yield (Break)	6(110)	%	ISO 527
Elastic modulus	2350	Mpa	ISO 527
Flexural modulus	2300	Mpa	ISO 178
Izod impact, unnotched 3mm +23°C	No break	kJ/m ²	ISO 180/1U
Izod impact, unnotched 3mm -30°C	No break	kJ/m ²	ISO 180/1U
Izod impact, notched +230°C	70	kJ/m ²	ISO 180
Rockwell hardness 3mm	M-70	R-scale	ISO 2039-2
Thermal properties			
Vicat softening temperature B120	149	Â°C	ASTM D 2220
Heat deflection temperature	132	Â°C	DIN 53516
Coefficient of linear thermal expansion (23°-80°)	0.70	10-4x K-1	ISO 2039-2
Physical properties			
Density	1.20	g/cm ³	ISO 306
Fire and smoke performance			
Flammability 2mm	B,S1,d0	-	EN 13501-1+A1:2009

These classifications are valid according to the tests performed may vary according to final application.

Sheet Colours

Beige n° 101



White 102



Grey n° 103



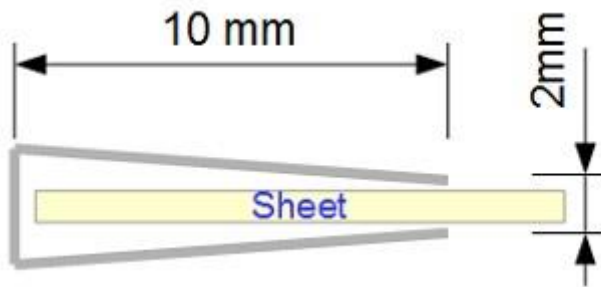
Vanilla n° 104



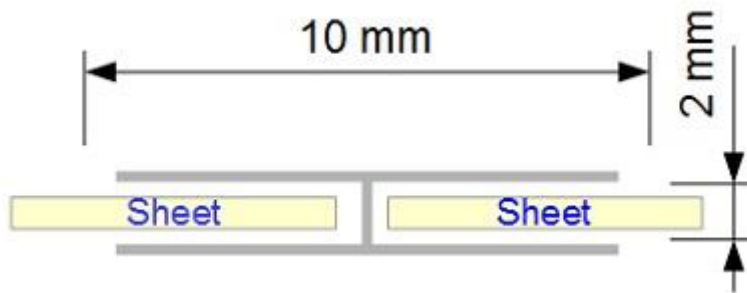
Sheet Accessories

As a kicker you can use the ZK901-6 and as bridge between two sheets may use the ZK902-6. Both in white.

ZK901-6



ZK902-6



In this picture we see as the profile of H is arranged vertically, separating the different sheets of 1000mm and in turn the U is positioned horizontally. Finally, there has been a thermoforming the sheet located on the windowsill.



CHAFLAN A 45°

We offer the possibility of cutting the edges of the sheet in chaflán. In this picture you can see the edge of the lamina cut at 45°.

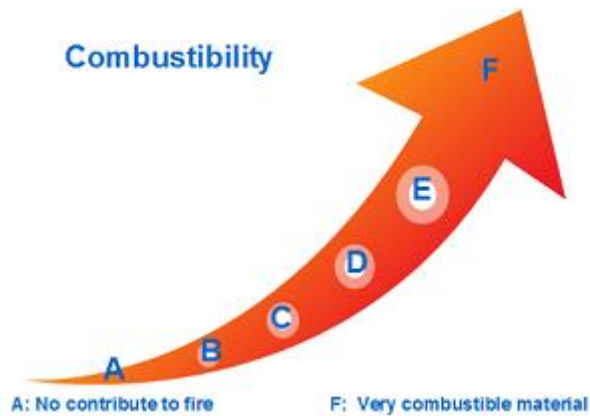
Chaflán a 45°



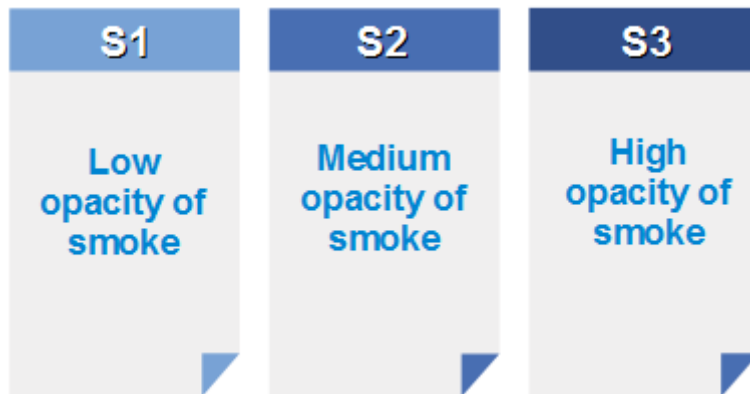
¿What is the BS1d0 clasification?

Is the reaction to fire of construction elements, furniture and decorative elements, which follow the following qualities:

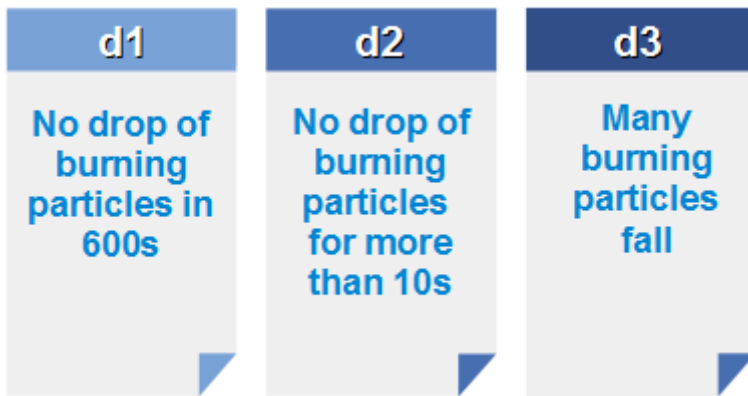
Combustibility:



Determines the opacity of smoke:



Determines the fall of burning particles



In our case, is only the application in the sheet, because the rest of our profiles don't exceed the 5% of the total area.

You can NOT clean the sheet with the following products:

