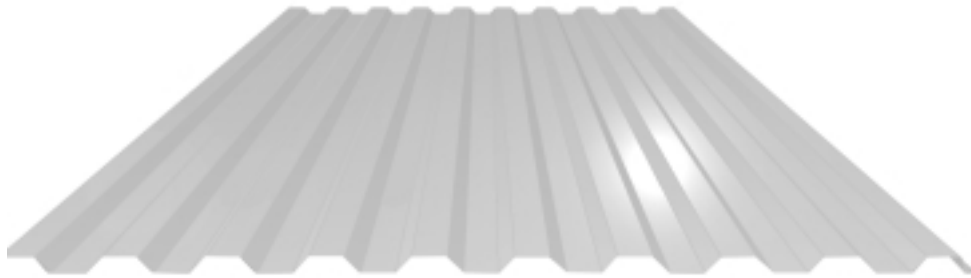


## Translucent sheets



**Translucent sheets-** for walls and roofs are manufactured in the same geometrical form as Borga steel sheets. The translucent can overlap and connect to the steel profiles at the ends and sides. Installed on the building they let the daylight in. Increased light gives warmth and nice atmosphere inside the building.

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### **Material:**

Translucent sheets are produced from glass fibre reinforced polyester. They are covered with Melinex film, which is 20 micron thick. Due to use of melinex films, the translucent sheets are resistant to sunbeams and air pollution. The light transmission of 85% is maintained for many years. Because of lower strength of translucent panels in comparison with steel sheets, the transluents have to be more supported. Distance between supports should not be bigger than 70-80 cm.

### **Reinforcement:**

All translucent sheets are manufactured with reinforcement in the form of glass fibre mats. Through the use of glass fibre mats we can always guarantee an even thickness of our products. The glass fibre mats are produced according to the ISO 3374.

### **Fastening:**

When translucent sheets are being used together with metal sheeting, the same fasteners used for the steel sheets are recommended.

### **Temperature:**

The translucent sheets are resistant to wide range of temperature. The highest temperature without load is +130° C. The lowest, safe temperature is -40° C. The transluents will not be brittle at low temperatures, thanks to reinforcement. There can occur linear expansion of the transluents of 1 mm per meter sheet, when calculating with a temperature difference of 40° C. Due to temperature movements the sheet length should not exceed 8 meters. Maximum length for the production is 12 meter long sheet. Longer transluents can cause transportation problem.