Polyurethane as an insulating material

1. Insulation materials for solar collectors Why apply two types of thermal insulation in the collectors (mineral wool and polyurethane)?

Use of polyurethane and mineral wool are considered the best combination of isolation.

 Polyurethane – it is sound insulating material and offers equal insulation thickness. Moreover, not affected by moisture and light. Temperature tolerance of the polyurethane depends on its type, but is lower than 50°C.

 Mineral wool – insulation material that withstands very well at high temperatures. It is inserted between the tube and polyurethane to reduce the temperature of which is exposed to polyurethane.
as a result, the combination of the polyurethane and mineral wool insulation create good heat resistance, which contributes to a higher efficiency of the collector and provides a longer life expectancy.

2. Insulation materials for hot water tanks

Why use polyurethane insulation for hot water tanks?

Polyurethane is tough insulating material and offers equal insulation thickness. Moreover, not affected by moisture, it's light, it's hard. Ordinary types of polyurethane can withstand high temperatures outer surface of the hot water tanks with thickness ranging between 50 mm and 70 mm. Thickness of 50 mm is considered normal. Circularity of the tanks is very convenient for building needs of polyurethane forms at relatively low prices.