

BENEFITS AND DIFFERENCES OF ALL KINDS OF JOINERY

	Durability	Maintenance	Coefficient of thermal conductivity	Environmental sustainability	Price of window per m²
WOOD	Virtually unlimited duration provided that the exterior is protected from the sun and rain. In Serbia there are windows in buildings as old as the buildings themselves sometimes more than 100 years.	Water and a mild detergent solution.	A wooden window has excellent thermal properties. Coefficient of thermal conductivity of the profile U_f 1.1 - 1.5 W/m ² K.	Wooden windows are in full compliance with environmental requirements. Recyclable. Using wood enhances the sustainable development of our country.	The most favourably priced option, taking into account all the characteristics. Price: 120 - 150 €/m ² .
WOOD-ALUMINIUM	Unlimited.	Water and a mild detergent solution.	Wood – aluminium combination has the best thermal properties U_f 0.7 - 1.4 W/m ² K	Completely the same characteristics as wood, with added aluminium which is also recyclable.	The most expensive option, comprising the price of the wood option with the additional cost of the aluminium. Price: 220 - 350 €/m ² .
ALUMINIUM	Unlimited.	Water and a mild detergent solution.	An aluminium profile has the worst thermal and acoustic properties U_f 2.7 - 5.0 W/m ² K.	Recyclable, although primarily obtained from non-renewable sources.	The most expensive material in this group of products. Price: 150 - 200 €/m ² .
ALUMINIUM - WOOD	Unlimited. The profile retains the characteristics of an aluminium window.	Water and a mild detergent solution.	Poor thermal properties U_f 1.8 - 3.5 W/m ² K.	Recyclable, although primarily obtained from non-renewable sources. The same characteristics apply to a decorative interior wooden moulding as to a wooden profile.	The price of the aluminium option, with the additional cost of the wooden component. Price: 250 - 300 €/m ² .
PVC	Unknown.	Water and a mild detergent solution.	Good thermal properties U_f 1.1 - 1.8 W/m ² K.	Recyclable, although primarily obtained from non-renewable sources.	The price of PVC varies depending on the quality of the PVC, the wall thickness and the reinforcement elements. Price: 100 - 150 €/m ² .

* The coefficient of thermal conductivity of the window, based on draft legislation on the energy efficiency of a building, $U_w = 1.5$ W/m²K, which means that the preferred coefficients should be below this value.