162162

G00002

ABSTRACT

Sunshield Lamination Structure

The invention relates to a multilayer sunshield lamination structure formed on a sheet of vitreous material comprising at least one functional layer composed of a silver-based material that reflects infrared radiation and at least two dielectric coatings, each functional layer being surrounded by dielectric coatings. Said lamination structure, when deposited on an ordinary clear soda-lime float glass sheet 6 mm thick, has a solar factor SF of less than 45% and a light transmission LT of less than 70%.

According to the invention, the lamination structure is composed of an essentially metal absorbent material based on the following elements: Pd, Pt, Au, Ir, Rh, Ru, Os, Co, Ni, Cu, Cr, La, Ce, Pr, Nd, W, Si, Zn, Mo, Mn, Ti, V, Nb, Hf, Ta and alloys thereof arranged in the immediate vicinity of the functional layer or included in this functional layer.

The invention is particularly advantageous for the formation of selective glazings with a high solar factor and aesthetically pleasing appearance, and in particular such glazings that have undergone a toughening and/or bending type of high-temperature thermal treatment.