

A set of panels includes a first panel 2 having a first main plane and a second panel 4 having a second main plane. The panels are provided with a mechanical locking device for locking a first edge of the first panel 2 to a second edge of the second pane 14. The mechanical locking device includes an edge section groove 21 at the first edge, wherein an edge section 22 of the second edge is insertable into the edge section groove. A flexible tongue 30 is arranged in an insertion groove 20 provided in the edge section groove 22, and cooperates with a tongue groove 10 provided at the edge section 22 of the second panel. A first thickness 55 of a core material between the edge section groove 21 and the outermost surface of the first edge is greater than a minimum second thickness 4 of a core material of the edge section 22 of the second panel.