

The invention concerns an insulation material (10) comprising a wood-derived material (11) and a fire retardant (13). The wood-derived material is in the insulation material as a non-separated fiber fraction (14) and as a separated fiber fraction (15) and the insulation material is a combination of said fractions with the fire retardant without separate polymer components (28). In addition, it is also an object of the invention to provide an insulation element, a layer structure, a construction and a method of producing an insulation material.