

Title (en)  
SOUND INSULATION MAT FOR FLOOR COVERINGS, AND METHOD FOR THE PRODUCTION THEREOF

Title (de)  
SCHALLDÄMMMATTE FÜR BODENBELÄGE SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)  
MAT INSONORISANT POUR REVETEMENTS DE SOL ET PROCEDE PERMETTANT DE LE PRODUIRE

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Application  
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Abstract (en)  
[origin: WO02055811A1] The invention relates to a sound insulation mat for floor coverings, particularly for parquet floors and laminated floors, comprising a mat layer that has a mat top side and a mater underside, whereby the mat layer contains natural raw material fibers, at least one bonding agent and high-density particles. The aim of the invention is to provide a sound insulation mat and a method for producing the same with which both the footstep sound as well as the room sound insulation are improved. To this end, the invention provides that the high-density particles are arranged in an inhomogeneously distributed manner inside the mat layer whereby creating a density distribution that increases from the mat underside to the mat top side. The invention also relates to a method for producing a sound insulation mat according to which: a mixture consisting of natural raw material fibers and of at least one bonding agent is produced; a loose mat is formed from the mixture; high-density particles are arranged in a distributed manner on the mat top side, whereby subsequently penetrating into the mat, and; the mat is subsequently compacted.

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