

FIBRE BASED PANELS WITH A WEAR RESISTANCE SURFACE

ABSTRACT

A flooring panel (1) comprising a core (6) and a surface layer (5), the surface layer (5) comprising cork particles (14) or wood fibres (14) comprising lignin resin, melamine resin as binder (19), colour pigments (15), and aluminium oxide as wear resistant particles (12), all components being homogenously mixed, and the core (6) comprising fibres and binder and being provided with a mechanical locking system (4) at its edges and a rear balancing layer (7). Also disclosed is a method of manufacturing said flooring panel by - homogenously mixing the dry particles of the surface layer; - scattering them on an embossed pressure matrix; - applying the core layer as scattered or prefabricated layer on the surface layer; - applying a balancing layer as scattered or prefabricated layer on the core layer; - pre-pressing the panel; - printing and brushing the surface layer; - forming the panel by a further pressing and heating step; - machining the mechanical locking system.

Fig. 3d