

INORGANIC BOARD AND INORGANIC BOARD PRODUCTION METHOD

Abstract

The present invention provides an inorganic board having excellent wind pressure resistance and long-term durability, and a production method of such an inorganic board.

An inorganic board is obtained by laminating layers comprising a cement, a siliceous material and a woody reinforcement, and has a specific gravity ranging from 1.5 to 2.0; a dimensional change rate upon ten-day moisture desorption at 80°C of no greater than 0.1%; a dimensional change rate upon seven-day moisture absorption of no greater than 0.1%; a seven-day dimensional change rate, in an environment having a carbon dioxide concentration of 5%, of no greater than 0.1%; and a flexural strength of not lower than 20 N/mm². A method for producing an inorganic board includes a step of producing raw material slurry comprising a cement, a siliceous material and a woody reinforcement; a step of producing laminated mat by laminating sheets formed by dewatering the obtained raw material slurry; and a step of pressing the laminated mat at a pressure not lower than 50 kg/cm², and curing the laminated mat at 170 to 200°C in an autoclave.

No figure