

The invention concerns the building materials and may be used for manufacturing of heat-insulating materials, in particular, plates, panels, blocks and other products, which can be applied for warming of inhabited premises. The offered mix for manufacturing of aerated concrete contains /mass % /: Portland cement - 53,8... 59,9, white black - 2,8... 5,4, saponated wood resin - 0,4... 0,6, foam stabilizer /cement or gypsum/ - 0,3... 0,5, water - 36,4... 40,9. It allows at proposed ratio of components to obtain a heat-insulating material with improved operating properties, in particular, with increased durability and reduced temperature of thermal processing. The products made of the offered mixture for manufacturing of aerated concrete have compressive resistance of 1,6... 1,8 MPa, average density of 300... 325 kg / m<sup>3</sup>, temperature of thermal processing of 40... 60 °C.