

A high-performance kaolin pigment has improved visual and rheological properties simultaneously, which are achieved by means of stringent control of size and form of particles, and also granulometric composition and division of particles form. Kaolin pigment consists of mixture of coarse- and fine- grained kaolin, has clear characteristics of size and particles form. A paint for chalking paper contains high-performance pigment of kaolin, being characterized by that it has ISO brightness index ISO more than 88.5 and less than 91.0; granulometric composition of particles from at least 94 % by weight – less than 2  $\mu\text{m}$  and 25 % by weight - less than 0.2  $\mu\text{m}$  and Hercules viscosity index at 1100 O/H less than 18 Din for liquid clays having content of solid substances of 70-75 %. A method for producing high-performance pigment with improved visual and rheological properties consists in mixing coarse-grained kaolin with the fine-grained. The treatment of coarse-grained kaolin comprises stages of dispersion of non-purified coarse –grained kaolin, which has granulometric composition of particles after elimination of sand between 55 % and 75 % by weight less than 2  $\mu\text{m}$  and at least 15 % by weight – less than 0.2  $\mu\text{m}$ , for liquid clay containing between 40 % and 60 % of solid substances by means of dispersing agent; b) elimination of sand by means of sieve 325, sand element and hydrocyclone; c) centrifugation of large kaolin for elimination of large particles, which causes obtaining narrow spectrum of granulometric composition of particles; d) elimination of admixtures of fine fractions of coarse-grained kaolin by flocculation, magnetic separation and/or chemical leaching, where mentioned stages of magnetic separation and flocculation can be carried out before or after centrifugation.