

Refractory article with coating has base made of quartz ceramics and outer coating arranged of niobium or tantalum pentoxide. The base is made of two or more separate blocks of quartz ceramics with porosity from 5 to 30 %, between those there are placed connection seams, those are foiled with solder of niobium or tantalum pentoxide. Width of the seam between the blocks d relates to the thickness of the blocks D as $0.2 < d/D < 2$. Such articles are characterized by increased thermal stability at large dimensions and can be used at making elements of lining of structures of chemical apparatuses, furnaces, technological containers used at synthesis of high-purity materials.