

## Processing the iron dust metallurgical wastes into the pigment for coloring construction materials

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### Abstract

A comparative analysis of the composition of waste iron and steel industries of the Nizhny Novgorod region was performed. The fundamentals of the technology of manufacturing iron oxide pigment from waste iron-containing dusts, used as a raw material. Strength properties of sand-lime brick, colored by the obtained pigment were investigated. It is shown that by the strength characteristics the colored bricks conform to the silicate materials. Показано, что по прочностным характеристикам окрашенные кирпичи удовлетворяют requirements of standards on silicate materials.