

Architectural control of construction materials with application of man-made wastes

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Abstract

© 2016 AIP Publishing LLC. The article considers the principles of construction materials formation based on non-organic and organic raw materials when material matrix is filled with particulate fillers from man-made wastes of various nature formed in different conditions. Qualitative and quantitative requirements for mineral, chemical and material composition of wastes to modify construction materials are detailed. The ways to use them as modifiers of construction materials are shown by the example of wastes group belonging to slags.

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