CERAMIC COMPOSITION WITH FROST RESISTANCE AND PROCESS FOR PREPARING THEREOF

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Klassifikation: - Internationale: C04B33/00
- Gemeinsame

Anmeldenummer: LT20120000039 20120528

Prioritätsnummer(n): LT20120000039 20120528

Zusammenfassung von LT2012039 (A)

The present invention relates to construction industry, in particular, ceramic masonry (clinker bricks, floor blocks). The ceramics claimed is characterized by low water absorbtion and high frost-resistance and can be exploited at a harsh environment conditions when masonry or its elements due to climatic conditions are subjected to long lasting effects of water absorbtion and fluctuations of temperature. The invention claimed aims to increase the compressive strenght and frost-resistance of ceramics made of fusible clay. The composition of formation mixture is as follows: fusible illitic clay - (70-90) %, thining additive -melt of mineral wool processsing waste - (10-30) %. Semi-manufactures made of formation mixture are subjected to burning at (1060 +5) oC. Ceramic masonry elements obtained are characterized with low water absorbtion, high frost -resistance and durability.