

Title (en)

SPINEL REFRACTORY GRANULATES WHICH ARE SUITABLE FOR ELASTICIZING HEAVY-CLAY REFRACTORY PRODUCTS, METHOD FOR THEIR PRODUCTION AND USE THEREOF

Title (de)

ZUR ELASTIFIZIERUNG VON GROBKERAMISCHEN FEUERFESTERZEUGNISSEN GEEIGNETE FEUERFESTE SPINELLGRANULATE, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG

Title (fr)

GRANULATS DE SPINELLE IGNIFUGES CONVENANT POUR RENDRE ÉLASTIQUES DES PRODUITS IGNIFUGES EN CÉRAMIQUE GROSSIÈRE, PROCÉDÉ POUR LES RÉALISER ET LEUR UTILISATION

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Application

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Abstract (en)

[origin: WO2017198377A1] The invention relates to a granular refractory mineral elasticizing granulate for refractory products, in particular for basic refractory products, wherein the minerals consist of mono-phase sintered spinel mixed crystals of the ternary system MgO-Fe₂O₃-Al₂O₃ of the composition range MgO: 12 to 19.5, in particular 15 to 17 wt.-%, remainder: Fe₂O₃ and Al₂O₃ in a quantity ratio range of Fe₂O₃ to Al₂O₃ between 80 to 20 and 40 to 60 wt.-%, the respective mixed crystals having an Fe₂O₃ and Al₂O₃ content, starting from an MgO content between 12 and 19.5 wt.-%, from the limited ranges indicated for each case, to obtain 100% in the total composition. The invention also relates to a method for producing said elasticizing granulate and to the use of the same.

IPC 8 full level

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