

Title (en)

CATALYSTS COMPRISING METHANE SULFONIC ACID FOR THE ACID HARDENING METHOD

Title (de)

METHANSULFONSÄUREHALTIGE KATALYSATOREN FÜR DAS SAÜREHÄRTUNGSVERFAHREN

Title (fr)

CATALYSEURS CONTENANT DE L'ACIDE MÉTHANE-SULFONIQUE POUR LE PROCÉDÉ DE DURCISSEMENT À L'ACIDE

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Application

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Abstract (en)

[origin: WO2009141158A1] The invention relates to a method for producing cores and molds for the foundry industry, wherein - a flowable fire-resistant primary molding material is provided. An acid is applied to the flowable fire-resistant primary molding material, thus obtaining an acid-coated fire-resistant primary molding material. A binder that can be cured by acid is applied to the acid-coated fire-resistant primary molding material, thus obtaining a fire-resistant primary molding material coated with a binder. The fire-resistant primary molding material coated with a binder is molded into a molded body, and - the molded body is cured, wherein the acid is a mixture of methane sulfonic acid and at least one further sulfur-free acid. The invention further relates to a mold material mixture as it is used in said method. With the method or the mold material mixture, casting molds can be produced having reduced emission of harmful compounds during casting.

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