

Alireza

## Patents

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## Sulphated dextrin used as additive for concrete or mortar - improving flowability and permitting reduction of water content

### DE 2436603 A1

#### ABSTRACT

Sulphated dextrin is added to concrete or mortar (pref. in an amt. of 0.1-5 wt. % w.r.t. the dry binder) as a fluidising agent. The dextrin is sulphated by known methods, pref. in a strongly polar solvent, using chloro- or amido-sulphonic acids, SOCl<sub>2</sub>, oleum, SO<sub>3</sub> or its complexes with org. bases. The workability and densification properties of fresh concrete and mortar are greatly improved; the compsn can be cast into the moulds without application of vibrations in spite of the fact that the water content of the compsn. is reduced. The low water content causes reduction in capillary volume in concrete or mortar, and, hence, improved resistance against water penetration. The resistance again against frost, action of de-icing compsns. or other aggressive substances is improved. The additive can be used in concrete or mortar compsns. contg. as binders Portland cement or similar cements, blast furnace slag and lime.

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<b>Applicant</b>	<a href="#">Bauchemie Forschung Hans Ohsma</a>
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<a href="#">Referenced by</a> (5), <a href="#">Classifications</a> (3), <a href="#">Legal Events</a> (1)	
<b>External Links:</b> <a href="#">DPMA</a> , <a href="#">Espacenet</a>	

**DESCRIPTION** [available in](#)

**CLAIMS** [available in](#)

#### REFERENCED BY

Citing Patent	Filing date	Publication date	Applicant	Title
<a href="#">EP0432770A1</a> *	Dec 12, 1990	Jun 19, 1991	Takeda Chemical Industries, Ltd.	Hydraulic composition, formed products therefrom and segregation reduction agent for hydraulic substances
<a href="#">EP2709964A1</a> *	May 17, 2011	Mar 26, 2014	Construction Research & Technology GmbH	Process for preparing additive for cementitious materials, additive and mixture comprising additive
<a href="#">US8642574</a> *	Nov 17, 2011	Feb 4, 2014	Innovata Limited	Surgical compositions for reducing the incidence of adhesions
<a href="#">US20120115810</a> *	Nov 17, 2011	May 10, 2012	Colin Brown	Surgical compositions for reducing the incidence of adhesions
<a href="#">WO2000068272A1</a> *	Apr 5, 2000	Nov 16, 2000	Heidelberger Bauchemie GmbH	Substituted polysaccharide sulfates, method for producing them and their use as high-performance flow agents for cement mixtures

\* Cited by examiner

#### CLASSIFICATIONS

International Classification	<a href="#">C04B24/16</a>
Cooperative Classification	<a href="#">C04B24/168</a>
European Classification	C04B24/16P10

#### LEGAL EVENTS

Date	Code	Event	Description
Apr 30, 1980	OHJ	Non-payment of the annual fee	

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