

Title (en)

BORON ADDED ANTIMICROBIAL JOINT SEALANT

Title (de)

ANTIMIKROBIELLE FUGENMASSE MIT BORZUSATZ

Title (fr)

AGENT DE SCELLEMENT ANTIMICROBIEN AU BORE

Publication

**EP 3003043 A2 20160413 (EN)**

Application

**EP 14739271 A 20140603**

Priority

- TR 201306616 A 20130603
- TR 2014000145 W 20140603

Abstract (en)

[origin: WO2014196940A2] The present invention relates to obtaining an antimicrobial joint sealant obtained by adding boron compounds therein. The surfaces of all kinds of raw materials and semi finished products produced from the joint sealant material of the present invention are protected against microbial contamination and degradation, corrosion and decay. In the invention wherein sodium borate ((Na<sub>2</sub>O)(B<sub>2</sub>O<sub>3</sub>)5.10H<sub>2</sub>O), zinc borate (2ZnO.3B<sub>2</sub>O<sub>3</sub>.3.5H<sub>2</sub>O) and potassium borate (K<sub>2</sub>B<sub>4</sub>O<sub>7</sub>.4H<sub>2</sub>O) are used as boron derivatives; it is determined that Escherichia coli, Staphylococcus aureus, Pseudomonas aeruginosa, Botrytis spp., Aspergillus spp., Penicillium spp., Fusarium spp., Alternaria spp., Penicillium spp., and Candida spp. can be controlled by means of the said materials added to the joint sealant.

IPC 8 full level

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