Title (en)

STEEL FIBRE FOR REINFORCING CONCRETE OR MORTAR PROVIDED WITH FLATTENED SECTIONS

Title (de)

STAHLFASER ZUR VERSTÄRKUNG VON BETON ODER MÖRTEL MIT ABGEFLACHTEN ABSCHNITTEN

Title (fr)

FIBRE D'ACIER COMPRENANT DES SEGMENTS APLATIS, DESTINÉE AU RENFORCEMENT DU BÉTON OU DU MORTIER

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Application

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Abstract (en)

[origin: WO2012080325A2] The invention relates to a steel fibre for reinforcing concrete or mortar. The steel fibre comprises a middle portion having a length L, a first anchorage end at one end of the middle portion and a second anchorage end at the other end of the middle portion. The middle portion comprises a first flattened section, a second flattened section and a central section. The central section is located between the first and the second flattened section. The first flattened section is located close to but not immediately adjacent to said first anchorage end and the second flattened section is located close to but not immediately adjacent to said second anchorage end. The middle portion has a tensile strength Rm of at least 1000 MPa and an elongation at maximum load Ag+e of at least 2.5 %. The invention further relates to a concrete structure comprising steel fibres according to the present invention and to the use of steel fibres for load carrying structures of concrete.

IPC 8 full level

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Citation (search report)

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