

Title (en)

Method and apparatus for concreting of rail support points for a ballastless railway track structure

Title (de)

Verfahren und Vorrichtung zum Betonieren von Schienenstützpunkten für einen schotterlosen Gleisoberbau

Title (fr)

Procédé et dispositif pour le bétonnage des points d'appui des rails de voie ferrée sans ballast

Publication

EP 0864692 B1 20010808 (DE)

Application

EP 97112402 A 19970719

Priority

DE 19709535 A 19970310

Abstract (en)

[origin: EP0864692A1] Shuttering with filter liner (5) has a hollow chamber (4) corresponding to the support, and concrete is poured-in via a socket (9). The concrete has a water/cement ratio of between 0.4 and 0.6, and immediately after pouring is subjected to excess pressure in the area of the socket, and in the area of the filter liner, to underpressure, until green bond has been achieved and the shuttering can be removed. The concrete contains steel and/or plastic fibres. The excess pressure is at 1-8 kPa, and the underpressure is at 0.3-0.9 kPa. Pressure is applied over a period of 1 - 8 minutes. The shuttering is removed when the water/cement ratio is 0.30 - 0.35.

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