

Title (en)

Method for preparation of reciprocal pressing surfaces of segments of a construction

Title (de)

Verfahren zur Herstellung von reziproken Pressoberflächen für Bauelemente

Title (fr)

Procédé de préparation de surfaces de pression reciproques pour éléments de construction

Publication

**EP 1378608 A1 20040107 (EN)**

Application

**EP 02405567 A 20020705**

Priority

EP 02405567 A 20020705

Abstract (en)

A method for preparation of reciprocal pressing surfaces (21, 22), of segments of a construction (1), this construction (1) being achieved by juxtaposition and assembly of such segments (2) comprising such reciprocal pressing surfaces (21, 22), referred to as first and second surfaces (21, 22), this method including a step according to which, prior to assembly of the segments (2), a layer (3) of a connecting material (4) is applied to at least one of the said first and second surfaces (21, 22), the function of which connecting material is to constitute a fluid-tight seal between these first and second surfaces (21, 22), once assembled, this method being characterised in that to form a connecting material (4), a material (4) is selected from among connecting materials which are, in order to obtain good connecting conditions between surfaces, currently recommended for use in making a thick layer, because of their duration of hardening which is inversely proportional to the value of the thickness of the layer, prior to the juxtaposition of one segment (1) to another segment (1), at least one layer (3) of the selected connecting material (4) is applied, by spraying, on at least one of the said first and second surfaces (21, 22) intended to co-operate, and, during the application of this layer (3), a thickness (5) of a maximal value is given to this layer (3) such that the hardening of the connecting material (4) is delayed at least for the duration of the operations of juxtaposition and position adjustment of the segments (1), and this in such a way as to allow use of this connecting material (4) as lubrication agent between the said first and second surfaces (21, 22). <IMAGE>

IPC 1-7

**E01D 21/10**; **E01D 101/28**

IPC 8 full level

**E01D 21/10** (2006.01)

CPC (source: EP)

**E01D 21/10** (2013.01); **E01D 2101/28** (2013.01)

Citation (applicant)

- PETER LORENZ: "Brücken in Segmentbauart und ihre Ausführung in Europa", BETON- UND STAHLBETONBAU, May 1987 (1987-05-01)
- PIERRE RICHARD: "Swiss Cheese Box Grinders", CIVIL ENGINEERING, March 1988 (1988-03-01)

Citation (search report)

- [XA] LORENZ: "Brücken in Segmentbauart und ihre Ausführung in Europa", BETON UND STAHLBETONBAU., vol. 82, no. 5, May 1987 (1987-05-01), ERNST UND SOHN VERLAG. BERLIN., DE, pages 123 - 128, XP002221601, ISSN: 0005-9900
- [XA] "Swiss cheese box girders", CIVIL ENGINEERING., vol. 58, no. 3, March 1988 (1988-03-01), CIVIL ENGINEERING ASCE. NEW YORK., US, pages 40 - 43, XP002221602, ISSN: 0885-7024

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