

Title (en)

A method of reducing the width of cracks in masonry

Title (de)

Verfahren zur Verringerung der Rissbreite in Mauern

Title (fr)

Procédé pour réduire la largeur de fissures en maçonnerie

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a method to reduce the width of cracks that may be induced in masonry. The method comprises the step of reinforcing at least one joint with reinforcement strips. The reinforcement strips comprise at least two straight, substantially parallel reinforcement wires connected to each other by means of a wire connecting structure. The reinforcement wires have a design yield strength f_{yd} equal or higher than $550^{3/4}$ s N/mm² and an equivalent diameter d equal or lower than 4 mm. The reinforcement strips have a resistance F against loads applied on said reinforcement strip. The resistance F has a design value of resistance F_d . The reinforcement strip embedded in said joint has a bond capacity F_{bok} . The bond capacity F_{bok} has a design bond capacity F_{bod} . The design yield strength f_{yd} and the diameter d of said reinforcement wires are chosen in such a way that the design value F_d of the reinforcement strip is equal or lower than said design bond capacity F_{bod} of the reinforcement strip. The reinforcement wires are provided with ribs. The invention furthermore relates to reinforcement strips and to masonry reinforced with such reinforcement strips.

IPC 8 full level

E04B 2/02 (2006.01)

CPC (source: EP US)

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Citation (applicant)

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DOCDB simple family (application)

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