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Abstract

Anchoring arrangement

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The invention relates to an anchoring arrangement (1) having an anchor rod (2) which is anchored with mortar (3) in a bore (4) in an anchoring substrate (5) (concrete). The anchoring arrangement (1) is crack-resistant when the following conditions are fulfilled:

$$\frac{\text{bore diameter}}{\text{diameter of anchor rod}} * \text{bond stress} \geq 14 \frac{\text{N}}{\text{mm}^2} \quad (\text{I})$$

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and

$$0.4 \leq \frac{\text{diameter of anchor rod}}{\text{bore diameter}} \leq 0.85 \quad (\text{II}).$$