

Use of an epoxide-amine-based, multicomponent mortar composition

ABSTRACT

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Described is the use of a hardening composition for epoxide-amine-based, multicomponent mortar compositions, particularly the use of one of these epoxide-amine-based, multicomponent mortar compositions for chemical fastening purposes. The multicomponent mortar composition contains (A) a resin component, which comprises as a curable compound at least an epoxide resin and optionally at least one reactive diluent, and (B) a hardener component, which comprises a hybrid hardener, wherein the resin component (A) and/or the hardener component (B) optionally comprises other ingredients selected from among inorganic and/or organic compounds. The hybrid hardener is a mixture of (a) at least one amine, selected from among aliphatic, alicyclic, or aromatic amines, as a hardener, and (b) a novolac resin as catalyst, wherein the novolac resin is contained in a quantity of 30 to 45 percent by weight, relative to the total weight of the hybrid hardener. The use of the hybrid hardener results in a rapid curding of the multicomponent mortar composition, even at low temperatures, with a complete through-curing of the mortar composition. High load values of the cured mortar composition both at low temperatures (+5°C) and at high temperatures (+50°C) and improved creep resistance at high temperatures (+50°C) are hereby achieved. In addition, one can entirely omit the use of free phenols.

25 Figure 1