

Title (en)
PROTECTION PROCEDURE AGAINST CAPILLARY MOISTURE IN CONSTRUCTIONS WITHOUT SETTLEMENT OR CRACKS USING A LOAD-BEARING WATERTIGHT PLASTIC BARRIER PLACED IN MASSIVE WALLS

Title (de)
SCHUTZVERFAHREN GEGEN KAPILLARE FEUCHTIGKEIT UNTER ANWENDUNG EINER TRAGENDEN WASSERDICHTEN KUNSTSTOFFSPERRE IN MASSIVWÄNDEN BEI KONSTRUKTIONEN OHNE SETZUNG ODER RISSE

Title (fr)
PROCEDE DE PROTECTION CONTRE L'HUMIDITE CAPILLAIRE DANS DES CONSTRUCTIONS SANS AFFAISSEMENTS NI FISSURES, A L'AIDE D'UNE BARRIERE EN PLASTIQUE PORTEUSE ETANCHE A L'EAU PLACEE DANS DES MURS MASSIFS

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Application
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Priority
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• YU 27398 A 19980701

Abstract (en)
[origin: WO0001899A1] Plastic Profiled Semi-Rigid Barriers No. 1 and No. 2 and their application technique are designed for rehabilitation and preservation of old civil engineering structures and monuments after step-by-step horizontal cutting of wet walls damaged by capillary moisture. The barrier joints are connected in the cut via their male (MC) and female (FC) end couplings and, interlocked, driven into the cuts filled with viscous cement mortar. Plastic Profiled Semi-Rigid Barriers No. 1 and No. 2 of infinite length fulfill three functional targets: the horizontal plate (a) acts as a watertight barrier or damp-proof course that prevents moisture movement by capillary forces into the parts above the cut, the male (MC) and female (FC) couplings tightly interlock the individual barrier joints and, once the barrier joints are interconnected and fitted into the wall cuts, they provide an unbreakable and impervious tie that is integral to the barrier system, while the vertical fins (F), perpendicular to the plate (a) support the total vertical load of the upper section of the treated civil engineering structures removing all hazard from fracturing or microfissuring.

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