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(21) International Application Number: PCT/US95/16120 (22) International Filing Date: 8 December 1995 (08.12.95) (30) Priority Data: 08/356,847 15 December 1994 (15.12.94) US (71) Applicant: AMERON, INC. [US/US]; 245 S. Los Robles Avenue, Pasadena, CA 91101 (US). (72) Inventor: O'FFILL, Robert, J.; 427 Calle Gomez, San Clemente, CA 92672 (US). (74) Agent: LANGTON, Grant, T.; Christie, Parker & Hale, Suite 500, 350 W. Colorado Boulevard, P.O. Box 7068, Pasadena, CA 91109-7068 (US).		(81) Designated States: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UG, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, LS, MW, SD, SZ, UG). Published <i>With international search report.</i>

(54) Title: SURFACING OR REHABILITATING STRUCTURES WITHOUT SUPPORTING FORMS**(57) Abstract**

A flexible liner (38) includes a back side surface having a number of ribs (46) that project outwardly a distance away from the liner. The ribs each have an enlarged profile configured to provide a strong mechanical lock with an intermediate adhesion layer (44) or carrier that is applied to a surface portion (42) of the underlying substrate (40) needing surfacing or rehabilitation. The liner is installed to surface or rehabilitate a structure by applying a thickness of the carrier to the wall section of the underlying substrate, positioning a back side surface of the liner adjacent the carrier, pressing the liner against the carrier so that the ribs are inserted and completely covered by the carrier, and forming a mechanical lock between the ribs and the carrier. The carrier cures to form a strong bond with the surface of the underlying substrate but not with the back side surface of the liner.

