

ADHESIVE BONDING MATERIAL SYSTEMS FOR STRUCTURAL APPLICATIONS.
(REV 8-14-07) (1-08)

ARTICLE 937-4 (Pages 830 and 831) is deleted and the following substituted:

937-4 Minimum Performance Requirements.

937-4.1 Minimum Performance Requirements (FM 5-568): When tested in accordance with FM 5-568, the adhesive bonding material system, for general use, shall meet the following requirements:

Uniform Bond Stress		
	Type HV	Type HSHV
Confined Tension	2,290 psi	3,060 psi
Damp-Hole Installation	1,680 psi	1,830 psi
Elevated Temperature	2,290 psi	3,060 psi
Horizontal Orientation	2,060 psi	2,060 psi
Short Term Cure	1,710 psi	1,710 psi
Specified Bond Strength	1,080 psi	1,830 psi

Maximum Coefficient Of Variation for Uniform Bond Stress 20%

Long Term Load (Creep):

(1) The rate of displacement shall decrease during the 42 day application of load.
(2) At 42 days the total displacement due to creep (with load still applied) shall be less than 0.03 inch and during the last 14 days of the 42 day load duration, the total displacement due to creep shall be less than 0.003 inch.

(3) After removal of the 42 day load, the uniform bond Stress from a subsequent Confined Tension Test shall not be less than 1,826 psi.

937-4.2 Minimum Performance Requirements (ICC-ES AC 308): In lieu of the requirements of 937-4.1, the adhesive bonding material system, for general use, may be tested to and meet the requirements of ICC-ES AC 308.