



City and County of San Francisco
Department of Building Inspection
1660 Mission Street, San Francisco, CA 94103

Structural Bulletin

SB 08-09

Subject: **Anchor Bolts Installed in Hardened Concrete Using Adhesive/Epoxy**

Date: January 7, 2009

The design of anchor bolts installed in hardened concrete using adhesives (or "epoxies") shall be designed in accordance with the strength design provisions of 2007 CBC Section 1912. The provisions of ACI 318-05 Appendix D do not apply to anchors installed using adhesives. Further, allowable stress design and 2007 CBC Table 1911.2 values do not apply to anchors installed using adhesives. Therefore, only adhesives with an ICC evaluation report showing conformance to 2006 IBC for installation in cracked concrete and subject to seismic loads will be allowed.

At this time only two products shall be considered: Hilti HIT-RE500-SD (ICC ESR-2322); Simpson SET-XP (ICC ESR-2508). Where these products are used, the engineer of record shall submit complete project specific calculations in accordance to the strength design provisions contained in the respective ESR, and the product shall be used in strict conformance to the strength design conditions of use contained in the respective ESR.

This Bulletin is subject to revision at such time that additional products that conform to 2006 IBC are identified.

Approved: Raymond Lui, S.E.
Deputy Director for Plan Review Services

A handwritten signature in black ink, appearing to be "Raymond Lui", written over the printed name and title.