

Why sell code approved anchors? It's now the LAW

The 2006 and 2003 International and Residential Codes (IBC and IRC) have been adopted by 46 states with four states having partial adoption or jurisdictions which have adopted wholesale or parts of the 06 or 03 code. For this reason the impact of the code is all 50 states. The building code serves as the basic design and enforcement requirement that an owner, engineer, contractor, inspector and code official use to produce safe structures today. It also applies to renovations to existing buildings requiring construction to current code. These structures include everything from condos, shopping malls, hospitals, schools and high-rise construction to ordinary home construction.

The 2006 IBC and IRC specifically require anchors which meet the AC-193 criteria for Concrete Anchors or AC-308 criteria for Adhesive Anchors as an alternative to the building code through 104.11 in the IBC. As recently as this week ACI voted to add Adhesive Anchors to its standard requirements.

After a State or jurisdiction adopts the building code with enforcement, there are very significant legal ramifications for any contractor using products not compliant with the code. Compliance with the code is as simple as providing a Powers ICC-ES report or knowing that one exists. Since Powers has the most ICC-ES reports for anchoring it is highly advantageous for a distributor to sell and stock only code listed products for structural applications. Powers also has numerous reports on products tested using an ICC-AS accredited independent laboratory which with acceptance by a local inspector or building official will serve as proof of compliance.

Construction distributors should be selling only anchors that comply with the new Building Codes since this is a national requirement. While the code does not apply to non-structural anchoring applications such as light duty fastening to drywall, it does apply to applications which involve all the mechanical steel anchors and adhesive anchors purchased which are used every day by contractors of all types in structural applications.

There are several key reasons why everyone should be selling, specifying and using ONLY concrete anchors that are code listed:

- 1. Code complaint anchors normally offer significantly higher performance.**
- 2. Powers can offer these products at no additional cost and as complete range.**
- 3. Compliance with state and local building authorities' regulations.**
- 4. Independent qualification and certification of product performance.**
- 5. Proof of usability and conformance in all 50 states.**
- 6. Usability and conformance in Florida and California (wind and seismic qualification).**
- 7. Increased product safety, reliability and confidence.**
- 8. Minimize risk for all applications (structural or non-structural).**

Specifications for building code compliant products are now the norm and enforcement of the codes is mandatory in many states, like Michigan. Those companies, who don't sell, specify or use code complaint anchors will find fewer opportunities in the market and could have a legal problem when the wrong product is used. Adhesive and mechanical anchors typically represent less than 1% or less of the cost of commercial construction but are an integral and very important part of every building and should not be taken for granted especially with the new building code requirements and consideration of future liability.

Powers Standard Anchors have Code Listings

Many suppliers will offer standard products with no ICC-ES report and say they can supply a higher priced “special anchor/special epoxy” with an ICC-ES report or be very deceptive and say... “You don’t need it”. At Powers we offer the following products as standard off the shelf products with code compliance listings so you don’t have to worry about selling an unapproved product or confusing the contractor. Why pay more having to order a special epoxy or wedge anchor when Powers off the shelf solutions have great code listings.

Powers	Hilti	ITW	Simpson
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Category 1 Cracked Concrete ICC-ES Listed Products

Power-Stud+ SD1 ESR-2818	Kwik-Bolt III	Trubolt	Wedge-All
Power-Stud+ SD2 ESR-2502	Kwik-Bolt III	Trubolt	Wedge-All
Snake ESR-2272			
PE 1000+ Epoxy ESR-2583	RE-500	G5 Epoxy	Set-Epoxy Set-XP
Wedge-Bolt+ ESR-2526	HUS	LDT	Titan HD (no 5/8)

Category 1 unCracked Concrete ICC-ES Listed Products

AC-100+Gold Acrylic ESR-2582	HY-150	A-7 Acrylic	AT Acrylic
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