

August 19, 2008

CHEMICAL ANCHOR SYSTEMS

Specification Reference: 901.05

SM Material Code: 506M00020

This list documents the approval of chemical systems for anchoring deformed steel rebar or grouting load transfer dowels. These chemical anchor systems are approved for pullout loads on deformed rebar which do not exceed the yield requirement for the corresponding rebar size of grade 60 (420) steel. These systems are applicable for rebar sizes not exceeding ENG. #7 (METRIC #22). If the rebar exceeds size ENG. #7 (METRIC #22), the manufacturer shall provide a type B certification for the pullout load of the specified rebar. Testing will be in accordance with ASTM E 488.

Systems shall be installed in accordance with the manufacturer's instructions. Horizontal installations of rebar or dowels require special consideration for proper retention of the material in the hole. The following spacing and edge distance requirements shall be met.

Embedment (E)	Spacing Between Anchors min. (S)	Edge Distance min. (M)
<6.0d	2.00E	1.00E
6.0d to =<8.0d	1.50E	1.00E
>8.0d	1.00E	0.75E

(d = diameter of rebar)

If the above requirements are not satisfied, contact the Materials and Tests Division.

Mat. Code	Source Code	Manufacturer Product Name	Approval Number	Comments
9371	9308	ADHESIVES TECHNOLOGY CORP----- ANCHOR IT HS-200	W028050	
9371	9540	ADHESIVES TECHNOLOGY----- CRACKBOND LR 321	W078051	
9371	9540	ADHESIVES TECHNOLOGY CORP----- ULTRABOND 1	W038068	
9371	9540	ADHESIVES TECHNOLOGY CORP----- ULTRABOND A1	W078052	
9371	9540	ADHESIVES TECHNOLOGY CORP----- ULTRABOND 1300	W028984	
9371	9540	ADHESIVES TECHNOLOGY CORP----- ULTRABOND 2100	W078050	
9371	9540	ADHESIVES TECHNOLOGY CORP----- ULTRABOND 2300	W028985	
9371	9540	ADHESIVES TECHNOLOGY CORP----- ULTRABOND SPEED SET 2	W028986	
9371	9513	AKEMI, INC----- AKA BOND 550	W028052	
9371	9513	AKEMI, INC----- AKA BOND 550 XP	W028053	
9371	9513	AKEMI, INC----- AKABOND 550 XPP	W028051	
9371	9312	AMBEX CONCRETE TECHNOLOGIES----- AMBEX ANCHORING CAPSULES	W068050	

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9371	9547	ANKR-TITE FASTENING SYSTEMS----- INJECT-TITE	W028054	
9371	9547	ANKR-TITE FASTENING SYSTEMS----- SLAM-TITE HAMMER-IN CHEMICAL CAPSULE	W028055	
9371	9515	BURKE----- BURKEEPOXY INJECTION RESIN	W038053	
9371	9515	BURKE----- BURKEEPOXY LV	W038054	
9371	9515	BURKE----- BURKEEPOXY MV	W038052	
9371	9515	BURKE----- BURKEEPOXY MV CLASS A LOW TEMP	W028056	
9371	9515	BURKE----- BURKEEPOXY MVSF	W038055	
9371	9515	BURKE----- BURKEEPOXY NS	W038056	
9371	9515	BURKE----- BURKEEPOXY NS CLASS A LOW TEMP	W028057	
9371	9515	BURKE----- BURKEEPOXY NS-P	W038057	
9371	9515	BURKE----- BURKEEPOXY NS-RS	W038058	
9371	9515	BURKE----- BURKEEPOXY NS-RS-P	W038059	
9371	9515	BURKE----- BURKEEPOXY PISTOL PAC EZ	W028058	
9371	9542	CONCRETE CHEMICALS----- CHEMROC 400	W028059	
9371	9544	CONSPEC----- SPEC BOND CC	W038061	
9371	9544	CONSPEC----- SPEC BOND 50	W038066	
9371	9544	CONSPEC----- SPEC BOND 100	W028060	
9371	9544	CONSPEC----- SPEC BOND 150	W038062	
9371	9544	CONSPEC----- SPEC BOND 200	W028061	

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9371	9544	CONSPEC----- SPEC BOND 201	W038063	
9371	9544	CONSPEC----- SPEC BOND 300	W038064	
9371	9544	CONSPEC----- SPEC BOND 301	W038065	
9371	9544	CONSPEC----- SPEC INJECT	W038067	
9371	9556	USP STRUCTURAL CONNECTOR----- CIA Gel 7000	W068050	
9371	9602	DAYTON-SUPERIOR CORP----- SURE-ANCHOR EPOXY (J-50)	W028062	
9371	9602	DAYTON-SUPERIOR CORP ----- SURE-ANCHOR I (J-51)	W028063	
9371	9538	FIVE STAR PRODUCTS, INC----- FIVE STAR RS ANCHOR GROUT	W028064	
9371	9551	FOX INDUSTRIES----- FX-715	W038069	
9371	9536	HAUSMAN CORP----- HAUSMAN HI MOD MV	W028065	
9371	4805	HILTI----- HIT C-100 DOWELING ANCHOR SYSTEM	W028066	
9371	4805	HILTI----- HIT HY 150	W028067	
9371	4805	HILTI----- HSE 2411	W028068	
9371	4805	HILTI----- HSE 2421 HIGH STRENGTH EPOXY	W028069	
9371	4805	HILTI----- HIT-RE 500	W028070	
9371	4805	HILTI----- HIT-HY 150 MAX	W068051	
9371	4805	HILTI----- RSE DOT	W068052	
9371	9533	ITW RAMSET/REDHEAD----- EPCON A7	W028073	
9371	9533	ITW RAMSET/REDHEAD----- EPCON C6	W028071	

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9371	9533	ITW RAMSET/REDHEAD----- EPCON G5	W028072	
9371	9533	ITW RAMSET/REDHEAD----- NEW G5	W038060	
9371	9545	J DEDOES, INC----- TRUE GRIP 590 HI MOD GEL	W028074	
9371	9605	KAUFMAN PRODUCTS, INC----- SUREPOXY 110	W028075	
9371	9605	KAUFMAN PRODUCTS, INC----- SUREPOXY 117	W028076	
9371	9605	KAUFMAN PRODUCTS, INC----- SUREPOXY HM	W028077	
9371	9537	KELKEN-GOLD, INC----- KELIGROUT	W028078	
9371	9554	BASF CONSTRUCTION CHEMICALS,LLC-BUILDING SYSTEMS-- CONCRETSIVE 1420	W058082	
9371	9554	BASF CONSTRUCTION CHEMICALS,LLC-BUILDING SYSTEMS-- CONCRETSIVE LIQUID LPL	W058084	
9371	9554	BASF CONSTRUCTION CHEMICALS,LLC-BUILDING SYSTEMS-- CONCRETSIVE PASTE LPL	W058085	
9371	9554	BASF CONSTRUCTION CHEMICALS,LLC-BUILDING SYSTEMS-- CONCRETSIVE PASTE SPL	W058086	
9371	9311	MKT FASTENING LLC----- LIQUID ROC 500	W058080	
9371	9311	MKT FASTENING LLC----- LIQUID ROC 700	W058081	
9371	9509	POLY-CARB----- MARK 198.2	W028084	
9371	9509	POLY-CARB ----- MARK 198.4	W028085	
9371	9528	POLYGEM, INC----- POLY-BAC 1257	W028086	
9371	9528	POLYGEM, INC----- POLY-BAC 1605	W028087	
9371	9528	POLYGEM, INC----- POLYGROUT	W028088	
9371	9528	POLYGEM, INC----- POLYJECT 1295-1	W028089	

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9371	4807	POWERS FASTENERS, INC----- AC 5.5 PLUS	W028988	
9371	4807	POWERS FASTENERS, INC----- HAMMER CAPSULE	W028096	
9371	4807	POWERS FASTENERS, INC----- POWER FAST EPOXY INJ GEL SLOW SET	W028095	
9371	4807	POWERS FASTENERS, INC ----- POWER FAST EPOXY INJ GEL SLOW SET CART SY	W028093	
9371	4807	POWERS FASTENERS, INC ----- AC 100 PLUS	W058053	
9371	4807	POWERS FASTENERS, INC ----- PE1000+	W088050	
9371	4807	POWERS FASTENERS, INC ----- AC100+ GOLD	W088051	
9371	9532	PRIME RESINS, INC----- FAST LANE	W028099	
9371	9532	PRIME RESINS, INC----- SPEED BOND #1	W028098	
9371	9514	SIKA CORP ----- ANCHOR FIX-3	W038050	
9371	9514	SIKA CORP----- ANCHOR FIX-4	W038051	
9371	9514	SIKA CORPORATION----- SIKADUR 31 HI MOD GEL	W028975	
9371	9514	SIKA CORPORATION----- SIKADUR 32 HI MOD EPOXY	W028977	
9371	9514	SIKA CORP----- SIKADUR 33 RAPID SET GEL	W048977	
9371	9543	SIMPSON STRONG-TIE, INC----- ACRYLIC-TIE	W028980	
9371	9543	SIMPSON STRONG-TIE, INC----- SET	W028147	
9371	9543	SIMPSON STRONG-TIE, INC----- SIMPSON ET22	W028978	
9371	9543	SIMPSON STRONG-TIE, INC----- SIMPSON ETF	W028979	
9371	9543	SIMPSON STRONG-TIE, INC----- VGC	W028146	

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9371	9553	SPECICHEM, LLC----- SPECPOXY 3000 FS	W058050	
9371	9553	SPECICHEM, LLC----- SPECPOXY 3000	W058051	
9371	9553	SPECICHEM, LLC----- SPECPOXY 2000	W058052	
9371	9553	SPECICHEM, LLC----- SPECPOXY 1000	W058054	
9371	9539	SUPERIOR EPOXIES & COATINGS, INC----- DOWEL BAR ADHESIVE-5	W028982	
9371	8268	EUCLID CHEMICAL CO.----- DURAL FAST SET EPOXY GEL	W028148	
9371	8268	EUCLID CHEMICAL CO.----- DURAL FAST SET EPOXY LV	W028149	
9371	9534	THERMAL CHEM ----- THERMAL CHEM INJECTION RESIN GEL PRODUCT 201	W028983	
9371	9535	UNITEX----- PRO-POXY 200	W028987	
9371	9535	UNITEX----- PRO-POXY 204	W028989	
9371	9535	UNITEX----- PRO-POXY 300	W028140	
9371	9535	UNITEX----- PRO-POXY 300 FAST	W028141	
9371	9535	UNITEX----- PRO-POXY 300 PASTE	W028142	
9371	9535	UNITEX----- PRO-POXY 400	W028143	
9371	9552	UNIVERSAL FORM CLAMP----- UNIBOND MV	W048050	
9371	9552	UNIVERSAL FORM CLAMP----- UNIBOND GEL PASTE	W048051	
9371	9603	W. R. MEADOWS----- REZI-WELD GEL PASTE STATE EPOXY	W028144	