

<b>Central Data Bank</b> <b>List of Building Materials</b>
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**A. General**

Department:	Buildings
Type of building material:	Structural Fixing
Applications:	Drill-in/Cast-in Anchors

**B. Acceptance criteria****Testing standards:**

Testing of drill-in anchors and cast-in anchors should be in accordance with BS 5080.

**Conditions of Acceptance:**

- The factor of safety of structural fixing systems (drill-in anchors and cast-in anchors) shall not be less than 3.
- Structural fixing systems shall be properly installed and securely fixed to the parent structure in accordance with the manufacturer's specifications/recommendations.
- Suitability of the structural fixing system in terms of fire performance as well as any need for fire protection of the exposed parts of the fixing system shall be considered individually.
- Where drill-in anchors are used for cladding works or for supporting steel cantilevered canopy structures, strength tests on a representative number of the drill-in anchors may be required.

Ref. No.	Product Name	Name of Manufacturer and Place of Manufacture (City and Country)	Material Category	Application	Compliance Testing Standard	Details of Test or Assessment Report				Date of Posting on CDB	Remarks / Comments
						Name of Laboratory Accreditation Body	Name of Laboratory / Assessing Organization	Report No.	Date of Test / Assessment Report		
BD-AF 144	Sunway Anchor Bolt  SW-E8, SW-E10 & SW-E12	Sunway Metal Manufactory  Hong Kong	Grade 304/316 stainless steel	Drill-in anchors subject to axial tension and shear for both cracked and uncracked concrete	BS 5080: Part 1: 1993 and ETAG-001-Annex-A  BS 5080: Part 2: 1986 and ETAG-001-Annex-A  BS 5080: Part 1: 1993 and in-house method STMS-2991 which refers to ETAG-001-Annex-A  BS 5080: Part 2: 1986 and in-house method STMS-3131 which refers to ETAG-001-Annex-A	N/A	Fugro Technical Service Ltd	124675ST130008 (9) to (11)	28 May 2013	1/12/2014	Test methods were not within the scope of HOKLAS accreditation of Fugro Technical Service Ltd.  Reliability/Suitability tests to ETAG 001 and evaluation on reliability/suitability test results have not been carried out.  The application is to be considered individually with regard to the fire resistance aspect.
						N/A	Fugro Technical Service Ltd	124675ST130008 (6) to (8)	28 May 2013		
						N/A	Fugro Technical Service Ltd	124675ST130008 (3) to (5) 113700ST110717, 113700ST110717 (1) & (2)	28 May 2013  16 February 2012		
						N/A	Fugro Technical Service Ltd	124675ST130008, 124675ST130008 (1) & (2) 114392ST120023 114392ST120023 (2) 120188ST120147	28 May 2013  10 April 2012 20 April 2012  1 June 2012		
						(See Remarks)					
BD-AF 145	Hilti Anchor Channel  Channel - Type HAC-40 with 2Nos. HBC-C M12 bolts	Hilti Corporation  Liechtenstein	Channel: hot-dip galvanized mild steel grade S235 to BS EN 10025-2  Bolt: grade 8.8 steel	Cast-in channel with inserted T-bolt subject to axial tension and shear for cracked and uncracked concrete.	BS 5080: Part 1: 1993  BS 5080: Part 2: 1986  CUAP 06.01/01 Common Understanding of Assessment Procedure for ETA-Anchor Channels	HOKLAS  N/A  Dakks/ ILAC	ETS-Testconsult Limited  ETS-Testconsult Limited  Hilti AG	FDA 22371  FDA 22362  P8Q-066	10 December 2012  10 December 2012  23 August 2011	5/1/2015	The application is to be considered individually with regard to the fire resistance aspect.