Professional Testing Consultant Limited
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ACCREDITED TEST CATEGORY **認可測試類別**	:	Construction Materials 建築材料

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Construction Materials 建築材料		
ITEM TESTED OR MEASURED 測試或量度項目	**SPECIFIC TEST OR PROPERTY MEASURED** 特定測試或量度的特性	**SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED** 規範、標準方法或應用技術
Concrete (diagnostic)	Surface hardness measurement	BS 1881: Part 202: 1986 BS EN 12504-2: 2021
Metallic materials (non-destructive)	Ultrasonic thickness measurement	BS EN 14127: 2011
Structural fixings	Tensile proof load test of anchors, dowel bars, and channel inserts by incremental loading in the force range 1 kN to 400 kN	BS 5080: Part 1: 1993 Cl. 6, 7.1.1 & 7.1.3 with modification
	Tensile proof load test of drilled-in anchors used for cantilevered structure/hanger/curtain wall remedial works by incremental loading in the force range 1 kN to 400 kN	Buildings Department PNAP APP-169 (Oct 2023) App. A
	Tensile proof load test of drilled-in anchors used for works other than cantilevered structure/ hanger/curtain wall remedial works in the force range 1 kN to 400 kN	Buildings Department PNAP APP-169 (Oct 2023) App. B
	Tensile proof test of cementitious or polymer based grouted bolts or dowels or reinforcing bars works or/and steel T-bolts with cast-in channels in the force range 1 kN to 400 kN	Buildings Department PNAP APP-169 (Oct 2023) App. C
Welds (non-destructive)	Magnetic particle test (Magnetic flow method, colour contrast technique using permanent magnets, A.C. yokes)	BS 6072: 1981 (1986) BS EN 1290: 1998 BS EN ISO 9934-1: 2015 BS EN ISO 9934-1: 2016 BS EN ISO 17638: 2009 BS EN ISO 17638: 2016 in conjunction with the following specification(s): BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 EN ISO 5817: 2007 Table 1 Buildings Department Code of Practice for the Structural Use of Steel (2011) Table 14.3b

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Welds (non-destructive) (cont'd)	Liquid penetrant test (colour contrast method)	BS 6443: 1984 BS EN 571-1: 1997 BS EN ISO 3452-1: 2013 in conjunction with the following specification(s): BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 EN ISO 5817: 2007 Table 1 Buildings Department Code of Practice for the Structural Use of Steel (2011) Table 14.3b
	Ultrasonic test (butt welds in plates and pipes, 'T'- joint welds and nozzle welds)	BS 3923: Part 1: 1986 (Level 1, 2a, 2b & 3) BS EN 1714: 1998 (Level A, B, & C) BS EN ISO 17640: 2010 (Level A, B, & C) BS EN ISO 17640: 2018 (Level A, B, & C) in conjunction with the following specification(s): BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 EN ISO 5817: 2007 Table 1 Buildings Department Code of Practice for the Structural Use of Steel (2011) Table 14.3b
	Visual examination	BS 5289: 1976 BS EN 970: 1997 BS EN ISO 17637: 2011 BS EN ISO 17637: 2016 in conjunction with the following specification(s): BS 4515-1: 2009 Table 9 BS 5135: 1984 Table 18 & 19 EN ISO 5817: 2007 Table 1 Buildings Department Code of Practice for the Structural Use of Steel (2011) Table 14.3b
	Visual examination and bend test on stud connectors	<Visual examination as follows:> BS 5289: 1976 BS EN 970: 1997 BS EN ISO 17637: 2011 BS EN ISO 17637: 2016 <together with the following bend test method(s):> BS 5400-6: 1999 Cl. 5.5.4(b) BS EN ISO 14555: 2017 Cl. 11.2, 11.3 (excluding Torque wrench method), 12.2 & 12.3 Buildings Department Code of Practice for the Structural Use of Steel (2011) Cl. 14.3.7.3