

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>UKAS TESTING 8878</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Materials Engineering & Testing Ltd</h3> <p>Issue No: 015 Issue date: 07 January 2022</p>	
	<p>72 Blackpole Trading Estate (West) Worcester WR3 8TJ United Kingdom</p>	<p>Contact: Mr Michael McMillan Tel: +44 (0)1905 780150 Fax: +44 (0)1905 780150 E-Mail: michael@metltd.co.uk Website: www.metltd.co.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>METALS, ALLOYS and METAL PRODUCTS</p> <p>Carbon and Stainless Steel reinforcing bars, wire rod, wires, mechanical splices (couplers) for the reinforcement of concrete</p>	<p><u>Mechanical Tests</u></p>	
	Vickers Hardness (HV10 & HV30)	BS EN ISO 6507-1:2018
	Fracture Toughness K _{1c} (Ambient Temperature)	ASTM E399-20a
	Tensile(Ambient temperature, forces from 20 kN to 2000 kN)	BS 4449:1997 (withdrawn) BS 4449:2005+A3:2016 BS EN ISO 15630-1:2019 BS 6744:2016 BS 8597:2015 ISO15835-2:2018
	Bend	BS 4449:1997 (withdrawn) BS EN ISO 15630-1:2019 BS 6744:2016
	Rebend	BS 4449:1997 (withdrawn) BS 4449:2005+A3:2016 BS EN ISO 15630-1:2019
	Fatigue (ambient temperature) (Forces up to 700kN)	BS 4449:1997 (withdrawn) BS 4449:2005+A3:2016 BS EN ISO 15630-1:2019 BS 6744:2016 BS 8597:2015 ISO 15835-2:2018
	Slip Test (Option 2)	BS 8597:2015 ISO 15835-2:2018
	<u>Dimensional Tests</u>	
	Determination of Geometrical Characteristics	BS 4449:1997 (withdrawn) BS 4449:2005+A3:2016 BS EN ISO 15630-1:2019 BS 6744:2016



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Materials Engineering & Testing Ltd

Issue No: 015 Issue date: 07 January 2022

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS (cont'd)	<u>Dimensional Tests (cont'd)</u> Effective cross-sectional area Projected and Relative Rib Area <u>Metallurgical Tests</u> Macro Examination <u>Chemical Tests</u> <u>Elemental analysis</u>	BS 4449:1997 (withdrawn) BS 4449:2005+A3:2016 BS EN ISO 15630-1:2019 BS 6744:2016 Documented in house method 7.05
Low Alloy and Stainless Steel	Boron, Carbon, Chromium, Copper, Molybdenum, Manganese, Nitrogen, Nickel, Phosphorous, Silicon, Sulphur, Vanadium.	Documented in house method 7.10 using GNR Solaris CCD Plus Optical Emission Spectrometer
END		