Issue date: 29 December 2025
Valid Until: -

NO: SAMM 225
(Issue 2, 29 December 2025 replacement
of SAMM 225 dated 29 December 2025)

LABORATORY LOCATION/ CENTRAL OFFICE:	Testech Sdn Bhd, Kuala Lumpur 8, Jln. 30B / 146 Desa Tasik, Sg. Besi 57000 WP Kuala Lumpur , 57000, WILAYAH PERSEKUTUAN KUALA LUMPUR MALAYSIA
ACCREDITED SINCE :	29 DECEMBER 2025
FIELD(S) OF TESTING:	MECHANICAL MECHANICAL (Continue) MECHANICAL AND NON-DESTRUCTIVE TEST

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

CENTRAL LOCATION:	Testech Sdn Bhd, Kuala Lumpur 8, Jln. 30B / 146 Desa Tasik, Sg. Besi 57000 WP Kuala Lumpur , 57000, Wilayah Persekutuan Kuala Lumpur
FIELD(S) OF TESTING :	MECHANICAL, MECHANICAL, MECHANICAL

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
(continue)	(Mortar-Bar Method)	None
	20 Resistance to Degradation	ASTM C 535-16
	None	None
	None	None
	Withstand Voltage Test Induced AC Voltage Test	(Clause 10 & 11)
	None	None
	200 to 2mA	12 + 0.42 nA
	2 mA to 20 mA	13 + 42 nA
	20 mA to 200 mA	36 pA/A + 42 nA
	200	0.17 mA/A + 0.17 HA

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	2Ato20A	0.38 mAVA + 0.42 mA
	Ammoniacal Nitrogen	APHA B & C, 2017
	Oxygen (Dissolved)	APHA 4500-0 C, 2005
	Oxygen (Dissolved)	APHA 4500-0 C, 2017
	Oxygen (Dissolved)	APHA 4500-0 G, 2005
	Oxygen (Dissolved)	APHA 4500-0 G, 2017
	Oxygen (Dissolved)	APHA 4500-0 H, 2017
	Biochemical Oxygen Demand	APHA 5210 B & 4500-0 G, 2005
	Biochemical Oxygen Demand	APHA 5210 B & 4500-0 G, 2017
	Chemical Oxygen Demand	APHA 5220 C, 2005
	Chemical Oxygen Demand	APHA 5220 C, 2017
	Oil & Grease	APHA 5520 B, 2005
	Oil & Grease	APHA 5520 B, 2017
	Free, Combined and Total	In-House Method 0501 based on
	Residual Chlorine	Palintest Comparator
	Residual Chlorine	APHA 3120 B, 2005
	Silver (Ag)	APHA 3120 B, 2017
	Aluminum (Al)	None
	Arsenic (As)	Inductively Coupled Plasma -”
	Boron (B)	Optical Emission Spectrometry (ICP-
	Barium (Ba)	OES)
	Beryllium (Be)	None
	Bismuth (Bi)	None
	Calcium (Ca)	None
	Cadmium (Cd)	None
	Cobalt (Co)	None
	Chromium (Cr)	None
	Copper (Cu)	None
	Iron (Fe)	None
	Potassium	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Sample Pre-Treatment for	APHA 3030 F, 2005
	Metals Analysis	APHA 3030 F, 2017
	Residual Chlorine	None
	Chromium, trivalent	In House Method 0508 based on APHA 3500-Cr B, 2005
	Chromium, trivalent	In House Method 0508 based on
	Chromium, trivalent	APHA 3500-Cr B, 2017
	Chemical Oxygen Demand	In House Method 0560 based on APHA 5220 C, 2005/2017 & USGS -”

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Chemical Oxygen Demand	Method for analysis of organic substances in water -" Chemical
	Chemical Oxygen Demand	Oxygen Demand COD
(soil)	Liquid Limit (Cone	BS 1377: Part 2 1990
	None	Clause 4.3
	Determination of Penetration Resistance Using the JKR	In house Method No. TP72 (JKR Specification)
Aggregates	PH value by the Electrometric	BS 1377:Part 3 2018
	19. Potential Alkali Reactivity	ASTM C 1260-14
	Determination of Flakiness Index of Coarse Aggregates	BS 812: Section 105.1: 1989 MS 30: Part 5: 1995: Section 1 EN 933-3: 2012
	Determination of Elongation Index of Coarse Aggregates	BS 812: Section 105.2: 1990 MS 30: Part 5: 1995: Section 2
	Determination of Aggregate Crushing Value	BS 812: Part 110: 1990 MS 30: Part 8: 1995
	Determination of Ten Percent Fines Value	BS 812: Part 111: 1990 MS 30: Part 9: 1995
	Determination of Organic Impurities in Fine Aggregates for Concrete	ASTM C40/40M-20
	Clay Lumps and Friable Particles in Aggregates	ASTM C142/C142M-17
	None	BS 812: Part 103-1: 1985
	Sulphate	BS EN 1744-1:2009+A1:2012, Clause 10 & 12
	Chloride	BS EN 1744-1:2009+A1:2012, Clause 7
	pH Value	BS 1377: Part 3: 1990: Clause 9
	Clay, Silt and Dust	BS 812: Part 1:1975, Clause 7.2.4
	Particle densities and water absorption	BS 812: Part 2: 1995, Clause 5
	Soundness of aggregates	ASTM C88/C88M-18
	Flakiness Index	BS 812: Section 105.1: 1989
	Elongation Index	BS 812: Section 105.2: 1990
	Aggregate crushing value	BS 812: Part 110: 1990
	Ten percent fines value	BS 812: Part 111: 1990
	Particle size distribution (Sieving Method)	BS EN 933-1:2012 MS EN 933-1:2011
	Aggregate impact value	BS 812: Part 112: 1990
	Particle densities and water	BS 812: Part 2: Clause 5: 1995
	Particle Size Distribution	MS EN 933-1: 2011
	(Sieving Method)	BS 812: Part 103.1: 1985
	Flakiness Index	BS 812: Section 105.1: 1989
	Elongation Index	MS 30: Part 5: 1995: Section 2
	Elongation Index	BS 812: Part 105.2: 1990
	Clay, Silt & Dust Content	BS 812: Part 1: 1975: Clause 7.2.4
	(Decantation Method)	None

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Particle Density & Water Absorption	BS 812: Part 2: 1995
	(Pyknometer Method)	MS EN 1097-6: 2011
	Aggregate Crushing Value (ACV)	MS 30: Part 8: 1995 (confirmed 2011)
	Aggregate Crushing Value (ACV)	BS 812: Part 110: 1990
	Ten Percent Fine Value (TFV)	MS 30: Part 9: 1995 (confirmed 2011)
	Ten Percent Fine Value (TFV)	BS 812: Part 111: 1990
	Aggregate Impact Value (AIV)	MS 30: Part 10: 1995 (confirmed 2011)
	Aggregate Impact Value (AIV)	BS 812: Part 112: 1990
	Soundness Test	MS 30: Part 17: 1995
	(Magnesium Sulphate)	BS 812: Part 121: 1989
	Soundness Test	ASTM C88-2018
	(Sodium Sulfate/ Magnesium Sulfate)	None
	Particles Size Distribution by Sieving Method	BS EN 933-1
	Elongation Index	BS 812-105.2
Aggregates (continue)	10. Elongation Index of Coarse Aggregates	BS 812: Part 105-2 1990 MS 30: Part 5 1995 Section 2
	11. Particle Shape Index	BS EN 933-4:2008
	12. Acid Soluble Material in Fine Aggregates (Organic Impurities)	MS 30: Part 15 1995
	13. Organic Impurities in Fine Aggregate for Concrete	ASTM C40/C40M-20
	14. Soundness of Aggregates By Use of Sodium Sulfate or Magnesium Sulfate	ASTM C 88 /C88M - 18 AASHTO Designation: T104-99 (2011)
	15.Clay Lumps and Friable Particles in Aggregates	ASTM -17
	16. Impact Value Test	BS 812: Part 112 1990
Anchorages	Measurement	and G4.3
Bitumen	Bitumen content in Hot-mixed	ASTM D 2172/D 2172M-17e1
	Thickness or Height of	ASTM D 3549/D 3549M-11
	Thickness or height of compacted asphalt mixtures specimen	ASTM D3549/D3549M-17
Bricks	Determination of Compressive Strength of Masonry Units	BS EN 772-1: 2011 MS 1933-1:2017
Bricks And Blocks	Compressive Strength	BS EN 772-1:2011
Cement Mortar	Compressive Strength Test	BS EN 196-1: 2016 Clause 9.2
Ceramic Tiles	Water Absorption, Apparent	MS ISO 10545-3: 2001
Chemical-resistant	Compressive Strength Test	ASTM C579-18
Coating Materials	1. Pull Off Strength Test	ASTM D4541-17
Cold Reduced Mild Steel	a) Tensile Test	MS 144: 2006
Concrete	c) Weld	None
	a) Tensile	BS EN ISO 15630-2: 2010

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	c) Rebend	sampling
	Initial Surface Absorption	BS 1881:Part 208:1996
	Electrical Indication of	None
	ii Yield Strength	None
	iii Elongation after Fracture	None
	iv Elongation at Maximum	None
	Forces (as defined in	None
	MS ISO 15630-1: 2012)	None
	Cubes	None
	Compressive Strength of Concrete	BS 1881: Part 120: 1983
	Cores	BS EN 12504-1: 2019
	Height of Compacted Bituminous	None
	Paving Mixture Specimen	None
	Compressive Strength of Test SpecimensBS EN 12390-3:2019	Compressive Strength of Test Specimens
	Compressive Strength of Test Specimens	
	Density of Hardened ConcreteBS EN 12390-7:2019	Density of Hardened Concrete
	Density of Hardened Concrete	
	Depth of Penetration of Water Under PressureBS EN 12390-8:2019	Depth of Penetration of Water Under Pressure
	Depth of Penetration of Water Under Pressure	
	Cored Specimen- Taking,BS EN 12504-1:2019	Cored Specimen- Taking,
	Cored Specimen- Taking,	
Concrete - Weldable	None	and 9
Concretes	None	None
Epoxy Bonding Agent	1 Compressive Strength Test	FIP/9/2: 1978 Clause 5.12
Filling Material	In-Situ CBR Test	BS 1377: Part 9 1990
Filling Materials	Moisture Content	BS 1377: Part 2 1990 Clause 3.2
	In-Situ Density Test (Sand	MS 1056: Part 9: 2005: Clause 4.2 & 4.3
	Replacement Method)	BS 1377: Part 9: 1990: Clause 2.1 & 2.2
	a) Small Pouring Cylinder	None
	b) Big Pouring Cylinder	None
	In-Situ California Bearing Ratio	MS 1056: Part 9: 2005: Clause 6.4
	(CBR)	BS 1377: Part 9: 1990: Clause 4.3
	Dynamic Cone Penetration Test	ASTM D6951/ D6951M-18
	Bearing Capacity Test	ASTM D1194-72 (Reapproved 1987)
Fresh Concrete	1. Air Content	BS EN 12350-7: 2009
	Air Content	BS EN 12350-7: 2009
	Concrete Air Content (Pressure Gauge Method)	BS EN 12350-7: 2019

Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
	Concrete Bleeding	ASTM C232/ C232M- 21
	Concrete Setting Times	ASTM C403/ C403M- 16
	Sampling	BS EN 12350-1:2019
	Cube Making/ Curing	BS EN 12390-2:2019
Geotextile	Trapezoid Tearing Strength	ASTM D 4533M-15
	Tensile Properties by the Wide-Width Strip	ASTM D 4595-11
	Grab Breaking Load and Elongation	ASTM D 4632M 15a
	Index Puncture Resistance	ASTM D 4833-07
Ground	Pull Out Load & Displacement	BS 8081: 2015 Annex G2.7, G3.3
Grout For Prestressing	1 Compressive Strength Test	BS EN 445-2007 Clause 4.6
Hardened Concrete	Compressive Strength of Concrete Cube & Cylinder in the force range of OKN to	BS EN 12390-3:2009 MS EN 12390-3:2012
	Compressive Strength of Concrete Core in the force range of OKN to 3000kN	BS EN 12504-1:2009 MS EN 12504-1:2013
	Determination of Density	BS EN 12390-7:2009
	Determination of Density, Absorption and Voids	ASTM C 642:13
	Initial Surface Absorption	BS 1881 Part 208: 1996
	Rapid Chloride Permeability	AASHTO Designation T277:15
	7. Water Permeability	DIN 1048 Part 5: June 1991
	8. Static Modulus of Elasticity in	ISO 1920 Part 10: 2010
	Penetration Resistance in the	ASTM C 803/C 803M -18
	Compressive Strength of	None
	Rebound Hammer Test	BS EN 12504-2: 2021
	Compressive Strength of	MS EN 12390-3:2012
	Compressive Strength of Concrete Cube in the force range of 0 kN to 3000 kN	MS EN 12390-3:2012 BS EN 12390-3:2019
	Compressive Strength of	MS EN 12390-3: 2012
	Concrete Cube	(curing on specimens performed by
	Concrete Cube	customer)
	Compressive Strenght of Cubes	Test instruction reference to BS EN
High Tensile Wire And Strand	Stress Relaxation Test***	MS ISO 15630-3: 2009 Clause 8
Hot Rolled Steel Bars For	a) Tensile Strength	MS 146: 2006 Clause 16.2, Annex
Mechanical Coupler	Tensile Test	ISO 6892-1: 2009
Metallic Fiber Concrete	Flexural Strength and	ASTM C1609-12
Metallic Material	1. Bend Test	ISO 7438:2016
Metallic Material (reinforcing Bars, Wire Rods & Wire)	a) Tensile b) Bend c) Rebend	ASTM A 370 -17 Appendix AQ BS EN ISO 15630-1: 2010 ISO 15630-1: 2010
Mortar	Compressive Strength of	MS 522 Part 2: 2005

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Compressive Strength of Mortar Cube in the force range of 0 kN to 3000 KN	MS 522: Part 2: 2005 Clause 7.10 and Clause 7.11
Mortar For Brick Laying,	1 Compressive Strength Test	BS 4551: 1980 Clause 15
Mortars, Grout, Monolithic	None	None
Multi Wire Steel Strand	1. a) Tensile Test b) Elongation Test	ASTM A 370 -17 Annex A7 BS 5896: 2012 Clause 9 BS EN ISO 15630-3:2019
	a) Yield Strength	ASTM A 1061/A 1061M-16 Clause
Plastic	Compressive Strength Test	ASTM D695-15
	Tensile and Elongation Test	ASTM D638-14
Portland Cement	Autoclave Expansion of	ASTM C 151/C 151 M-16
Products And Systems For	1. Bond Strength Test (Pull Off	BS EN 1542: 1999
Products For Concrete	None	None
Protection And Repair	Test)	None
Reinforcement Of Concrete	None	None
	Tensile Test e	Clause 7.2.3 e
Reinforcing Bar	None	None
Rendering	None	None
Repair Mortar	Compressive Strength Test	BS EN12190: 1999
Resin Based Mortars	1.Compressive Strength of	ASTM C 109/C 109M -20
	Compressive Strength of Resin Cube in the force range of 0 KN to 2000 KN	BS 6319: Part 2: 1983 Exclude Clause 5.1 & Clause 5.2
Rigid Cellular Materials	Compressive Strength Test	ASTM D1621-16
Rock	Point Load Strength Index	ASTM D 5731-16
Rubber & Plastic	Tensile and Elongation Test	ASTM D 412-16, Method A
Screeding, Plastering Or	eK	None
Security Seals	a) Tensile Test b) Shear Test c) Bend Test	ISO/ PAS 17712: 2006(E) (Exclude Clause 6.5 - Impact Test)
Steel Bar And Steel Plate	1.a) Tensile Strength	BS EN 10002-1 2001
Steel For Reinforcement	Tensile and Rebend Test	MS 146: 2014 Clauses 7.3.3, 7.3.5
	Bend Performance Test	None
Structural Fixings	1.Tensile Load Test	BS 5080-1: 1993 and BS 8539: 2012
Structure	None	None
Surface, And Polymer	None	None
Tendons	eK	None
The Reinforcement Of	b) Rebend	and 7.2.5 Excluding site sampling
	b) Bend	B1.4 and B1.6 Excluding site
Thermal Insulating Product - Polystyrene Foam	1 Compressive Strength Test	BS EN 826: 2013
Threaded Fastener	Internal Threaded (Nuts)	None
Threaded Fastener (continue)	External Threaded (Bolts, Screws and Studs)	None
Vitreous China Sanitary Appliances	Water Absorption	MS 147: 2001 Appendix A
	Chemical Resistance	MS 147: 2001 Appendix C
	Resistance to Staining	MS 147: 2001 Appendix D

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Welded Steel Fabric For	a) Tensile	MS 145 : 2014 Clauses 7.2.3, 7.2.4
Wire For The	b) Rebend Test	Annex B1.4 and B1.6

SCOPE OF TESTING : MECHANICAL (Continue)

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
(continue)	(Mortar-Bar Method)	None
	20 Resistance to Degradation	ASTM C 535-16
	None	None
	None	None
	Withstand Voltage Test Induced AC Voltage Test	(Clause 10 & 11)
	None	None
	200 to 2mA	12 + 0.42 nA
	2 mA to 20 mA	13 + 42 nA
	20 mA to 200 mA	36 pA/A + 42 nA
	200	0.17 mA/A + 0.17 HA
	2Ato20A	0.38 mAVA + 0.42 mA
	Ammoniacal Nitrogen	APHA B & C, 2017
	Oxygen (Dissolved)	APHA 4500-0 C, 2005
	Oxygen (Dissolved)	APHA 4500-0 C, 2017
	Oxygen (Dissolved)	APHA 4500-0 G, 2005
	Oxygen (Dissolved)	APHA 4500-0 G, 2017
	Oxygen (Dissolved)	APHA 4500-0 H, 2017
	Biochemical Oxygen Demand	APHA 5210 B & 4500-0 G, 2005
	Biochemical Oxygen Demand	APHA 5210 B & 4500-0 G, 2017
	Chemical Oxygen Demand	APHA 5220 C, 2005
	Chemical Oxygen Demand	APHA 5220 C, 2017
	Oil & Grease	APHA 5520 B, 2005
	Oil & Grease	APHA 5520 B, 2017
	Free, Combined and Total	In-House Method 0501 based on
	Residual Chlorine	Palintest Comparator
	Residual Chlorine	APHA 3120 B, 2005
	Silver (Ag)	APHA 3120 B, 2017
	Aluminum (Al)	None
	Arsenic (As)	Inductively Coupled Plasma -”
	Boron (B)	Optical Emission Spectrometry (ICP-
	Barium (Ba)	OES)
	Beryllium (Be)	None
	Bismuth (Bi)	None
	Calcium (Ca)	None

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Cadmium (Cd)	None
	Cobalt (Co)	None
	Chromium (Cr)	None
	Copper (Cu)	None
	Iron (Fe)	None
	Potassium	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Sample Pre-Treatment for	APHA 3030 F, 2005
	Metals Analysis	APHA 3030 F, 2017
	Residual Chlorine	None
	Chromium, trivalent	In House Method 0508 based on APHA 3500-Cr B, 2005
	Chromium, trivalent	In House Method 0508 based on
	Chromium, trivalent	APHA 3500-Cr B, 2017
	Chemical Oxygen Demand	In House Method 0560 based on APHA 5220 C, 2005/2017 & USGS -"
	Chemical Oxygen Demand	Method for analysis of organic substances in water -" Chemical
	Chemical Oxygen Demand	Oxygen Demand COD
(soil)	Liquid Limit (Cone	BS 1377: Part 2 1990
	None	Clause 4.3
	Determination of Penetration Resistance Using the JKR	In house Method No. TP72 (JKR Specification)
Aggregates	PH value by the Electrometric	BS 1377:Part 3 2018
	19. Potential Alkali Reactivity	ASTM C 1260-14
	Determination of Flakiness Index of Coarse Aggregates	BS 812: Section 105.1: 1989 MS 30: Part 5: 1995: Section 1 EN 933-3: 2012
	Determination of Elongation Index of Coarse Aggregates	BS 812: Section 105.2: 1990 MS 30: Part 5: 1995: Section 2
	Determination of Aggregate Crushing Value	BS 812: Part 110: 1990 MS 30: Part 8: 1995
	Determination of Ten Percent Fines Value	BS 812: Part 111: 1990 MS 30: Part 9: 1995
	Determination of Organic Impurities in Fine Aggregates for Concrete	ASTM C40/40M-20
	Clay Lumps and Friable Particles in Aggregates	ASTM C142/C142M-17
	None	BS 812: Part 103-1: 1985
	Sulphate	BS EN 1744-1:2009+A1:2012, Clause 10 & 12

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Chloride	BS EN 1744-1:2009+A1:2012, Clause 7
	pH Value	BS 1377: Part 3: 1990: Clause 9
	Clay, Silt and Dust	BS 812: Part 1:1975, Clause 7.2.4
	Particle densities and water absorption	BS 812: Part 2: 1995, Clause 5
	Soundness of aggregates	ASTM C88/C88M-18
	Flakiness Index	BS 812: Section 105.1: 1989
	Elongation Index	BS 812: Section 105.2: 1990
	Aggregate crushing value	BS 812: Part 110: 1990
	Ten percent fines value	BS 812: Part 111: 1990
	Particle size distribution (Sieving Method)	BS EN 933-1:2012 MS EN 933-1:2011
	Aggregate impact value	BS 812: Part 112: 1990
	Particle densities and water	BS 812: Part 2: Clause 5: 1995
	Particle Size Distribution	MS EN 933-1: 2011
	(Sieving Method)	BS 812: Part 103.1: 1985
	Flakiness Index	BS 812: Section 105.1: 1989
	Elongation Index	MS 30: Part 5: 1995: Section 2
	Elongation Index	BS 812: Part 105.2: 1990
	Clay, Silt & Dust Content	BS 812: Part 1: 1975: Clause 7.2.4
	(Decantation Method)	None
	Particle Density & Water Absorption	BS 812: Part 2: 1995
	(Pyknometer Method)	MS EN 1097-6: 2011
	Aggregate Crushing Value (ACV)	MS 30: Part 8: 1995 (confirmed 2011)
	Aggregate Crushing Value (ACV)	BS 812: Part 110: 1990
	Ten Percent Fine Value (TFV)	MS 30: Part 9: 1995 (confirmed 2011)
	Ten Percent Fine Value (TFV)	BS 812: Part 111: 1990
	Aggregate Impact Value (AIV)	MS 30: Part 10: 1995 (confirmed 2011)
	Aggregate Impact Value (AIV)	BS 812: Part 112: 1990
	Soundness Test	MS 30: Part 17: 1995
	(Magnesium Sulphate)	BS 812: Part 121: 1989
	Soundness Test	ASTM C88-2018
	(Sodium Sulfate/ Magnesium Sulfate)	None
	Particles Size Distribution by Sieving Method	BS EN 933-1
	Elongation Index	BS 812-105.2
Aggregates (continue)	10. Elongation Index of Coarse Aggregates	BS 812: Part 105-2 1990 MS 30: Part 5 1995 Section 2
	11. Particle Shape Index	BS EN 933-4:2008
	12. Acid Soluble Material in Fine Aggregates (Organic Impurities)	MS 30: Part 15 1995

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	13. Organic Impurities in Fine Aggregate for Concrete	ASTM C40/C40M-20
	14. Soundness of Aggregates By Use of Sodium Sulfate or Magnesium Sulfate	ASTM C 88 /C88M - 18 AASHTO Designation: T104-99 (2011)
	15.Clay Lumps and Friable Particles in Aggregates	ASTM -17
	16. Impact Value Test	BS 812: Part 112 1990
Anchorages	Measurement	and G4.3
Bitumen	Bitumen content in Hot-mixed	ASTM D 2172/D 2172M-17e1
	Thickness or Height of	ASTM D 3549/D 3549M-11
	Thickness or height of compacted asphalt mixtures specimen	ASTM D3549/D3549M-17
Bricks	Determination of Compressive Strength of Masonry Units	BS EN 772-1: 2011 MS 1933-1:2017
Bricks And Blocks	Compressive Strength	BS EN 772-1:2011
Cement Mortar	Compressive Strength Test	BS EN 196-1: 2016 Clause 9.2
Ceramic Tiles	Water Absorption, Apparent	MS ISO 10545-3: 2001
Chemical-resistant	Compressive Strength Test	ASTM C579-18
Coating Materials	1. Pull Off Strength Test	ASTM D4541-17
Cold Reduced Mild Steel	a) Tensile Test	MS 144: 2006
Concrete	c) Weld	None
	a) Tensile	BS EN ISO 15630-2: 2010
	c) Rebend	sampling
	Initial Surface Absorption	BS 1881:Part 208:1996
	Electrical Indication of	None
	ii Yield Strength	None
	iii Elongation after Fracture	None
	iv Elongation at Maximum	None
	Forces (as defined in	None
	MS ISO 15630-1: 2012)	None
	Cubes	None
	Compressive Strength of Concrete	BS 1881: Part 120: 1983
	Cores	BS EN 12504-1: 2019
	Height of Compacted Bituminous	None
	Paving Mixture Specimen	None
	Compressive Strength of Test SpecimensBS EN 12390-3:2019	Compressive Strength of Test Specimens
	Compressive Strength of Test Specimens	
	Density of Hardened ConcreteBS EN 12390-7:2019	Density of Hardened Concrete
	Density of Hardened Concrete	
	Depth of Penetration of Water Under PressureBS EN 12390-8:2019	Depth of Penetration of Water Under Pressure
	Depth of Penetration of Water Under Pressure	

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Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
	Cored Specimen- Taking,BS EN 12504-1:2019	Cored Specimen- Taking,
	Cored Specimen- Taking,	
Concrete - Weldable	None	and 9
Concretes	None	None
Epoxy Bonding Agent	1 Compressive Strength Test	FIP/9/2: 1978 Clause 5.12
Filling Material	In-Situ CBR Test	BS 1377: Part 9 1990
Filling Materials	Moisture Content	BS 1377: Part 2 1990 Clause 3.2
	In-Situ Density Test (Sand	MS 1056: Part 9: 2005: Clause 4.2 & 4.3
	Replacement Method)	BS 1377: Part 9: 1990: Clause 2.1 & 2.2
	a) Small Pouring Cylinder	None
	b) Big Pouring Cylinder	None
	In-Situ California Bearing Ratio	MS 1056: Part 9: 2005: Clause 6.4
	(CBR)	BS 1377: Part 9: 1990: Clause 4.3
	Dynamic Cone Penetration Test	ASTM D6951/ D6951M-18
	Bearing Capacity Test	ASTM D1194-72 (Reapproved 1987)
Fresh Concrete	1. Air Content	BS EN 12350-7: 2009
	Air Content	BS EN 12350-7: 2009
	Concrete Air Content (Pressure Gauge Method)	BS EN 12350-7: 2019
	Concrete Bleeding	ASTM C232/ C232M- 21
	Concrete Setting Times	ASTM C403/ C403M- 16
	Sampling	BS EN 12350-1:2019
	Cube Making/ Curing	BS EN 12390-2:2019
Geotextile	Trapezoid Tearing Strength	ASTM D 4533M-15
	Tensile Properties by the Wide-Width Strip	ASTM D 4595-11
	Grab Breaking Load and Elongation	ASTM D 4632M 15a
	Index Puncture Resistance	ASTM D 4833-07
Ground	Pull Out Load & Displacement	BS 8081: 2015 Annex G2.7, G3.3
Grout For Prestressing	1 Compressive Strength Test	BS EN 445-2007 Clause 4.6
Hardened Concrete	Compressive Strength of Concrete Cube & Cylinder in the force range of OKN to	BS EN 12390-3:2009 MS EN 12390-3:2012
	Compressive Strength of Concrete Core in the force range of OKN to 3000kN	BS EN 12504-1:2009 MS EN 12504-1:2013
	Determination of Density	BS EN 12390-7:2009
	Determination of Density, Absorption and Voids	ASTM C 642:13
	Initial Surface Absorption	BS 1881 Part 208: 1996
	Rapid Chloride Permeability	AASHTO Designation T277:15
	7. Water Permeability	DIN 1048 Part 5: June 1991
	8. Static Modulus of Elasticity in	ISO 1920 Part 10: 2010

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Penetration Resistance in the	ASTM C 803/C 803M -18
	Compressive Strength of	None
	Rebound Hammer Test	BS EN 12504-2: 2021
	Compressive Strength of	MS EN 12390-3:2012
	Compressive Strength of Concrete Cube in the force range of 0 kN to 3000 kN	MS EN 12390-3:2012 BS EN 12390-3:2019
	Compressive Strength of	MS EN 12390-3: 2012
	Concrete Cube	(curing on specimens performed by
	Concrete Cube	customer)
	Compressive Strenght of Cubes	Test instruction reference to BS EN
High Tensile Wire And Strand	Stress Relaxation Test***	MS ISO 15630-3: 2009 Clause 8
Hot Rolled Steel Bars For	a) Tensile Strength	MS 146: 2006 Clause 16.2, Annex
Mechanical Coupler	Tensile Test	ISO 6892-1: 2009
Metallic Fiber Concrete	Flexural Strength and	ASTM C1609-12
Metallic Material	1. Bend Test	ISO 7438:2016
Metallic Material (reinforcing Bars, Wire Rods & Wire)	a) Tensile b) Bend c) Rebend	ASTM A 370 -17 Appendix AQ BS EN ISO 15630-1: 2010 ISO 15630-1: 2010
Mortar	Compressive Strength of	MS 522 Part 2: 2005
	Compressive Strength of Mortar Cube in the force range of 0 kN to 3000 KN	MS 522: Part 2: 2005 Clause 7.10 and Clause 7.11
Mortar For Brick Laying,	1 Compressive Strength Test	BS 4551: 1980 Clause 15
Mortars, Grout, Monolithic	None	None
Multi Wire Steel Strand	1. a) Tensile Test b) Elongation Test	ASTM A 370 -17 Annex A7 BS 5896: 2012 Clause 9 BS EN ISO 15630-3:2019
	a) Yield Strength	ASTM A 1061/A 1061M-16 Clause
Plastic	Compressive Strength Test	ASTM D695-15
	Tensile and Elongation Test	ASTM D638-14
Portland Cement	Autoclave Expansion of	ASTM C 151/C 151 M-16
Products And Systems For	1. Bond Strength Test (Pull Off	BS EN 1542: 1999
Products For Concrete	None	None
Protection And Repair	Test)	None
Reinforcement Of Concrete	None	None
	Tensile Test e	Clause 7.2.3 e
Reinforcing Bar	None	None
Rendering	None	None
Repair Mortar	Compressive Strength Test	BS EN12190: 1999
Resin Based Mortars	1.Compressive Strength of	ASTM C 109/C 109M -20
	Compressive Strength of Resin Cube in the force range of 0 KN to 2000 KN	BS 6319: Part 2: 1983 Exclude Clause 5.1 & Clause 5.2
Rigid Cellular Materials	Compressive Strength Test	ASTM D1621-16
Rock	Point Load Strength Index	ASTM D 5731-16

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
Rubber & Plastic	Tensile and Elongation Test	ASTM D 412-16, Method A
Screeding, Plastering Or	eK	None
Security Seals	a) Tensile Test b) Shear Test c) Bend Test	ISO/ PAS 17712: 2006(E) (Exclude Clause 6.5 - Impact Test)
Steel Bar And Steel Plate	1.a) Tensile Strength	BS EN 10002-1 2001
Steel For Reinforcement	Tensile and Rebend Test	MS 146: 2014 Clauses 7.3.3, 7.3.5
	Bend Performance Test	None
Structural Fixings	1.Tensile Load Test	BS 5080-1: 1993 and BS 8539: 2012
Structure	None	None
Surface, And Polymer	None	None
Tendons	eK	None
The Reinforcement Of	b) Rebend	and 7.2.5 Excluding site sampling
	b) Bend	B1.4 and B1.6 Excluding site
Thermal Insulating Product - Polystyrene Foam	1 Compressive Strength Test	BS EN 826: 2013
Threaded Fastener	Internal Threaded (Nuts)	None
Threaded Fastener (continue)	External Threaded (Bolts, Screws and Studs)	None
Vitreous China Sanitary Appliances	Water Absorption	MS 147: 2001 Appendix A
	Chemical Resistance	MS 147: 2001 Appendix C
	Resistance to Staining	MS 147: 2001 Appendix D
Welded Steel Fabric For	a) Tensile	MS 145 : 2014 Clauses 7.2.3, 7.2.4
Wire For The	b) Rebend Test	Annex B1.4 and B1.6

SCOPE OF TESTING : MECHANICAL AND NON-DESTRUCTIVE TEST

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
(continue)	(Mortar-Bar Method)	None
	20 Resistance to Degradation	ASTM C 535-16
	None	None
	None	None
	Withstand Voltage Test Induced AC Voltage Test	(Clause 10 & 11)
	None	None
	200 to 2mA	12 + 0.42 nA
	2 mA to 20 mA	13 + 42 nA
	20 mA to 200 mA	36 pA/A + 42 nA
	200	0.17 mA/A + 0.17 HA
	2Ato20A	0.38 mAVA + 0.42 mA
	Ammoniacal Nitrogen	APHA B & C, 2017
	Oxygen (Dissolved)	APHA 4500-0 C, 2005

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Oxygen (Dissolved)	APHA 4500-0 C, 2017
	Oxygen (Dissolved)	APHA 4500-0 G, 2005
	Oxygen (Dissolved)	APHA 4500-0 G, 2017
	Oxygen (Dissolved)	APHA 4500-0 H, 2017
	Biochemical Oxygen Demand	APHA 5210 B & 4500-0 G, 2005
	Biochemical Oxygen Demand	APHA 5210 B & 4500-0 G, 2017
	Chemical Oxygen Demand	APHA 5220 C, 2005
	Chemical Oxygen Demand	APHA 5220 C, 2017
	Oil & Grease	APHA 5520 B, 2005
	Oil & Grease	APHA 5520 B, 2017
	Free, Combined and Total	In-House Method 0501 based on
	Residual Chlorine	Palintest Comparator
	Residual Chlorine	APHA 3120 B, 2005
	Silver (Ag)	APHA 3120 B, 2017
	Aluminum (Al)	None
	Arsenic (As)	Inductively Coupled Plasma -”
	Boron (B)	Optical Emission Spectrometry (ICP-
	Barium (Ba)	OES)
	Beryllium (Be)	None
	Bismuth (Bi)	None
	Calcium (Ca)	None
	Cadmium (Cd)	None
	Cobalt (Co)	None
	Chromium (Cr)	None
	Copper (Cu)	None
	Iron (Fe)	None
	Potassium	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Lithium (Li)	None
	Sample Pre-Treatment for	APHA 3030 F, 2005
	Metals Analysis	APHA 3030 F, 2017
	Residual Chlorine	None
	Chromium, trivalent	In House Method 0508 based on APHA 3500-Cr B, 2005
	Chromium, trivalent	In House Method 0508 based on
	Chromium, trivalent	APHA 3500-Cr B, 2017
	Chemical Oxygen Demand	In House Method 0560 based on APHA 5220 C, 2005/2017 & USGS -”
	Chemical Oxygen Demand	Method for analysis of organic substances in water -” Chemical
	Chemical Oxygen Demand	Oxygen Demand COD
(soil)	Liquid Limit (Cone	BS 1377: Part 2 1990

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	None	Clause 4.3
	Determination of Penetration Resistance Using the JKR	In house Method No. TP72 (JKR Specification)
Aggregates	PH value by the Electrometric	BS 1377:Part 3 2018
	19. Potential Alkali Reactivity	ASTM C 1260-14
	Determination of Flakiness Index of Coarse Aggregates	BS 812: Section 105.1: 1989 MS 30: Part 5: 1995: Section 1 EN 933-3: 2012
	Determination of Elongation Index of Coarse Aggregates	BS 812: Section 105.2: 1990 MS 30: Part 5: 1995: Section 2
	Determination of Aggregate Crushing Value	BS 812: Part 110: 1990 MS 30: Part 8: 1995
	Determination of Ten Percent Fines Value	BS 812: Part 111: 1990 MS 30: Part 9: 1995
	Determination of Organic Impurities in Fine Aggregates for Concrete	ASTM C40/40M-20
	Clay Lumps and Friable Particles in Aggregates	ASTM C142/C142M-17
	None	BS 812: Part 103-1: 1985
	Sulphate	BS EN 1744-1:2009+A1:2012, Clause 10 & 12
	Chloride	BS EN 1744-1:2009+A1:2012, Clause 7
	pH Value	BS 1377: Part 3: 1990: Clause 9
	Clay, Silt and Dust	BS 812: Part 1:1975, Clause 7.2.4
	Particle densities and water absorption	BS 812: Part 2: 1995, Clause 5
	Soundness of aggregates	ASTM C88/C88M-18
	Flakiness Index	BS 812: Section 105.1: 1989
	Elongation Index	BS 812: Section 105.2: 1990
	Aggregate crushing value	BS 812: Part 110: 1990
	Ten percent fines value	BS 812: Part 111: 1990
	Particle size distribution (Sieving Method)	BS EN 933-1:2012 MS EN 933-1:2011
	Aggregate impact value	BS 812: Part 112: 1990
	Particle densities and water	BS 812: Part 2: Clause 5: 1995
	Particle Size Distribution	MS EN 933-1: 2011
	(Sieving Method)	BS 812: Part 103.1: 1985
	Flakiness Index	BS 812: Section 105.1: 1989
	Elongation Index	MS 30: Part 5: 1995: Section 2
	Elongation Index	BS 812: Part 105.2: 1990
	Clay, Silt & Dust Content	BS 812: Part 1: 1975: Clause 7.2.4
	(Decantation Method)	None
	Particle Density & Water Absorption	BS 812: Part 2: 1995
	(Pyknometer Method)	MS EN 1097-6: 2011

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	Aggregate Crushing Value (ACV)	MS 30: Part 8: 1995 (confirmed 2011)
	Aggregate Crushing Value (ACV)	BS 812: Part 110: 1990
	Ten Percent Fine Value (TFV)	MS 30: Part 9: 1995 (confirmed 2011)
	Ten Percent Fine Value (TFV)	BS 812: Part 111: 1990
	Aggregate Impact Value (AIV)	MS 30: Part 10: 1995 (confirmed 2011)
	Aggregate Impact Value (AIV)	BS 812: Part 112: 1990
	Soundness Test	MS 30: Part 17: 1995
	(Magnesium Sulphate)	BS 812: Part 121: 1989
	Soundness Test	ASTM C88-2018
	(Sodium Sulfate/ Magnesium Sulfate)	None
	Particles Size Distribution by Sieving Method	BS EN 933-1
	Elongation Index	BS 812-105.2
Aggregates (continue)	10. Elongation Index of Coarse Aggregates	BS 812: Part 105-2 1990 MS 30: Part 5 1995 Section 2
	11. Particle Shape Index	BS EN 933-4:2008
	12. Acid Soluble Material in Fine Aggregates (Organic Impurities)	MS 30: Part 15 1995
	13. Organic Impurities in Fine Aggregate for Concrete	ASTM C40/C40M-20
	14. Soundness of Aggregates By Use of Sodium Sulfate or Magnesium Sulfate	ASTM C 88 /C88M - 18 AASHTO Designation: T104-99 (2011)
	15.Clay Lumps and Friable Particles in Aggregates	ASTM -17
	16. Impact Value Test	BS 812: Part 112 1990
Anchorages	Measurement	and G4.3
Bitumen	Bitumen content in Hot-mixed	ASTM D 2172/D 2172M-17e1
	Thickness or Height of	ASTM D 3549/D 3549M-11
	Thickness or height of compacted asphalt mixtures specimen	ASTM D3549/D3549M-17
Bricks	Determination of Compressive Strength of Masonry Units	BS EN 772-1: 2011 MS 1933-1:2017
Bricks And Blocks	Compressive Strength	BS EN 772-1:2011
Cement Mortar	Compressive Strength Test	BS EN 196-1: 2016 Clause 9.2
Ceramic Tiles	Water Absorption, Apparent	MS ISO 10545-3: 2001
Chemical-resistant	Compressive Strength Test	ASTM C579-18
Coating Materials	1. Pull Off Strength Test	ASTM D4541-17
Cold Reduced Mild Steel	a) Tensile Test	MS 144: 2006
Concrete	c) Weld	None
	a) Tensile	BS EN ISO 15630-2: 2010
	c) Rebend	sampling
	Initial Surface Absorption	BS 1881:Part 208:1996
	Electrical Indication of	None

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques
	ii Yield Strength	None
	iii Elongation after Fracture	None
	iv Elongation at Maximum	None
	Forces (as defined in	None
	MS ISO 15630-1: 2012)	None
	Cubes	None
	Compressive Strength of Concrete	BS 1881: Part 120: 1983
	Cores	BS EN 12504-1: 2019
	Height of Compacted Bituminous	None
	Paving Mixture Specimen	None
	Compressive Strength of Test SpecimensBS EN 12390-3:2019	Compressive Strength of Test Specimens
	Compressive Strength of Test Specimens	
	Density of Hardened ConcreteBS EN 12390-7:2019	Density of Hardened Concrete
	Density of Hardened Concrete	
	Depth of Penetration of Water Under PressureBS EN 12390-8:2019	Depth of Penetration of Water Under Pressure
	Depth of Penetration of Water Under Pressure	
	Cored Specimen- Taking,BS EN 12504-1:2019	Cored Specimen- Taking,
	Cored Specimen- Taking,	
Concrete - Weldable	None	and 9
Concretes	None	None
Epoxy Bonding Agent	1 Compressive Strength Test	FIP/9/2: 1978 Clause 5.12
Filling Material	In-Situ CBR Test	BS 1377: Part 9 1990
Filling Materials	Moisture Content	BS 1377: Part 2 1990 Clause 3.2
	In-Situ Density Test (Sand	MS 1056: Part 9: 2005: Clause 4.2 & 4.3
	Replacement Method)	BS 1377: Part 9: 1990: Clause 2.1 & 2.2
	a) Small Pouring Cylinder	None
	b) Big Pouring Cylinder	None
	In-Situ California Bearing Ratio	MS 1056: Part 9: 2005: Clause 6.4
	(CBR)	BS 1377: Part 9: 1990: Clause 4.3
	Dynamic Cone Penetration Test	ASTM D6951/ D6951M-18
	Bearing Capacity Test	ASTM D1194-72 (Reapproved 1987)
Fresh Concrete	1. Air Content	BS EN 12350-7: 2009
	Air Content	BS EN 12350-7: 2009
	Concrete Air Content (Pressure Gauge Method)	BS EN 12350-7: 2019
	Concrete Bleeding	ASTM C232/ C232M- 21
	Concrete Setting Times	ASTM C403/ C403M- 16
	Sampling	BS EN 12350-1:2019

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Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
	Cube Making/ Curing	BS EN 12390-2:2019
Geotextile	Trapezoid Tearing Strength	ASTM D 4533M-15
	Tensile Properties by the Wide-Width Strip	ASTM D 4595-11
	Grab Breaking Load and Elongation	ASTM D 4632M 15a
	Index Puncture Resistance	ASTM D 4833-07
Ground	Pull Out Load & Displacement	BS 8081: 2015 Annex G2.7, G3.3
Grout For Prestressing	1 Compressive Strength Test	BS EN 445-2007 Clause 4.6
Hardened Concrete	Compressive Strength of Concrete Cube & Cylinder in the force range of OKN to	BS EN 12390-3:2009 MS EN 12390-3:2012
	Compressive Strength of Concrete Core in the force range of OKN to 3000kN	BS EN 12504-1:2009 MS EN 12504-1:2013
	Determination of Density	BS EN 12390-7:2009
	Determination of Density, Absorption and Voids	ASTM C 642:13
	Initial Surface Absorption	BS 1881 Part 208: 1996
	Rapid Chloride Permeability	AASHTO Designation T277:15
	7. Water Permeability	DIN 1048 Part 5: June 1991
	8. Static Modulus of Elasticity in	ISO 1920 Part 10: 2010
	Penetration Resistance in the	ASTM C 803/C 803M -18
	Compressive Strength of	None
	Rebound Hammer Test	BS EN 12504-2: 2021
	Compressive Strength of	MS EN 12390-3:2012
	Compressive Strength of Concrete Cube in the force range of 0 kN to 3000 kN	MS EN 12390-3:2012 BS EN 12390-3:2019
	Compressive Strength of	MS EN 12390-3: 2012
	Concrete Cube	(curing on specimens performed by
	Concrete Cube	customer)
	Compressive Strenght of Cubes	Test instruction reference to BS EN
High Tensile Wire And Strand	Stress Relaxation Test***	MS ISO 15630-3: 2009 Clause 8
Hot Rolled Steel Bars For	a) Tensile Strength	MS 146: 2006 Clause 16.2, Annex
Mechanical Coupler	Tensile Test	ISO 6892-1: 2009
Metallic Fiber Concrete	Flexural Strength and	ASTM C1609-12
Metallic Material	1. Bend Test	ISO 7438:2016
Metallic Material (reinforcing Bars, Wire Rods & Wire)	a) Tensile b) Bend c) Rebend	ASTM A 370 -17 Appendix AQ BS EN ISO 15630-1: 2010 ISO 15630-1: 2010
Mortar	Compressive Strength of	MS 522 Part 2: 2005
	Compressive Strength of Mortar Cube in the force range of 0 kN to 3000 KN	MS 522: Part 2: 2005 Clause 7.10 and Clause 7.11
Mortar For Brick Laying,	1 Compressive Strength Test	BS 4551: 1980 Clause 15

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Material / Product Tested	**Type Of Test / Properties Measured / Range Of Measurement**	**Standard Test Methods / Equipment / Techniques**
Mortars, Grout, Monolithic	None	None
Multi Wire Steel Strand	1. a) Tensile Test b) Elongation Test	ASTM A 370 -17 Annex A7 BS 5896: 2012 Clause 9 BS EN ISO 15630-3:2019
	a) Yield Strength	ASTM A 1061/A 1061M-16 Clause
Plastic	Compressive Strength Test	ASTM D695-15
	Tensile and Elongation Test	ASTM D638-14
Portland Cement	Autoclave Expansion of	ASTM C 151/C 151 M-16
Products And Systems For	1. Bond Strength Test (Pull Off	BS EN 1542: 1999
Products For Concrete	None	None
Protection And Repair	Test)	None
Reinforcement Of Concrete	None	None
	Tensile Test e	Clause 7.2.3 e
Reinforcing Bar	None	None
Rendering	None	None
Repair Mortar	Compressive Strength Test	BS EN12190: 1999
Resin Based Mortars	1.Compressive Strength of	ASTM C 109/C 109M -20
	Compressive Strength of Resin Cube in the force range of 0 KN to 2000 KN	BS 6319: Part 2: 1983 Exclude Clause 5.1 & Clause 5.2
Rigid Cellular Materials	Compressive Strength Test	ASTM D1621-16
Rock	Point Load Strength Index	ASTM D 5731-16
Rubber & Plastic	Tensile and Elongation Test	ASTM D 412-16, Method A
Screeding, Plastering Or	eK	None
Security Seals	a) Tensile Test b) Shear Test c) Bend Test	ISO/ PAS 17712: 2006(E) (Exclude Clause 6.5 - Impact Test)
Steel Bar And Steel Plate	1.a) Tensile Strength	BS EN 10002-1 2001
Steel For Reinforcement	Tensile and Rebend Test	MS 146: 2014 Clauses 7.3.3, 7.3.5
	Bend Performance Test	None
Structural Fixings	1.Tensile Load Test	BS 5080-1: 1993 and BS 8539: 2012
Structure	None	None
Surface, And Polymer	None	None
Tendons	eK	None
The Reinforcement Of	b) Rebend	and 7.2.5 Excluding site sampling
	b) Bend	B1.4 and B1.6 Excluding site
Thermal Insulating Product - Polystyrene Foam	1 Compressive Strength Test	BS EN 826: 2013
Threaded Fastener	Internal Threaded (Nuts)	None
Threaded Fastener (continue)	External Threaded (Bolts, Screws and Studs)	None
Vitreous China Sanitary Appliances	Water Absorption	MS 147: 2001 Appendix A
	Chemical Resistance	MS 147: 2001 Appendix C
	Resistance to Staining	MS 147: 2001 Appendix D
Welded Steel Fabric For	a) Tensile	MS 145 : 2014 Clauses 7.2.3, 7.2.4
Wire For The	b) Rebend Test	Annex B1.4 and B1.6

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques

SCOPE OF TESTING : MECHANICAL (Continue)

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques

SCOPE OF TESTING : MECHANICAL AND NON-DESTRUCTIVE TEST

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques

SCOPE OF TESTING : MECHANICAL

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques

SCOPE OF TESTING : MECHANICAL (Continue)

Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques

SCOPE OF TESTING : MECHANICAL AND NON-DESTRUCTIVE TEST

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Material / Product Tested	Type Of Test / Properties Measured / Range Of Measurement	Standard Test Methods / Equipment / Techniques