Schedule of Accreditation

Organisation Name	Mattest (Ireland) Ltd
Trading As	
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	31/05/2011
Scope Classification	Construction Materials Testing

Services available to the public[1]

[1] Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)

	Name	Address
1	Galway Laboratory	Mattest Laboratory, Roadstone Galway Tuam Road, Cappanabornia, Two Mile Ditch, Galway, Ireland
2	Cork Laboratory	Mattest Cork, Unit 18, University Hall Industrial Park, Sarsfield Road, Wilton, Cork, Cork, Ireland, T12 EV2O
3	Head Office - Dublin Laboratory	Unit 2, Northwest Business Park, Ballycoolin, Dublin, Dublin

Scope of Accreditation

Cork Laboratory

Construction Materials Testing

Category: A

Construction material/product - Tests	Matrix/methodology (where applicable if not insert n/a)	Equipment/technique	Range of measurement (where applicable)	Standard reference/SOP
212 Concrete - 212.07 Cored Specimen Examination	Concrete	N/A	120 - 3000kN	EN 12504-1: 2019
212 Concrete - 212.10 Curing Specimens for Strength Tests			N/A	EN 12390-2:2019
212 Concrete - 212.11 Compressive Strength Tests (Cubes and Cylinders)			30-2000kN	EN 12390-3: 2019 & EN 12504-1:2019
212 Concrete - 212.13 Density			N/A	EN 12390-7: 2019
215 Aggregates (Chemical Tests) - .01 Water soluble chloride salts	Aggregates		0.001-2.000%	EN 1744-1: 2012
215 Aggregates (Chemical Tests) - .02 Water soluble sulphates			0.01-2.00%	EN 1744-1: 2012
215 Aggregates (Chemical Tests) - .03 Total sulphur content			0.01-2.00%	EN 1744-1: 2012
215 Aggregates (Chemical Tests) - .04 Acid soluble sulfates			0.01-2.00%	EN 1744-1: 2012

215 Aggregates (Chemical Tests) - .99 Other tests			0.01-2.00%	Oxidisable Sulfides - TII:SRW
			0.01-2.00%	Total Potential Sulfate - TII:SRW
216 Aggregates - .04 Particle size distribution		In dry and soaked conditions	N/A	EN 933-1: 2012
216 Aggregates - .05 Flakiness index		N/A	N/A	EN 933-3: 2012
216 Aggregates - .13 Resistance to fragmentation		Los Angeles Method	N/A	EN 1097-2: 2020
			N/A	EN 1097-2: 2020 (Annex A)
216 Aggregates - .17 Water content		N/A	N/A	EN 1097-5: 2008
216 Aggregates - .20 Polished stone value			N/A	EN 1097-8: 2020
218 Soils for Geotechnical Investigation & Testing:Lab Testing of Soils. Soils (Chemical Tests) - .01 Water content	Soils		N/A	BS 1377-2: 2022 ISO 17892-1: 2014 +A1: 2022
218 Soils for Geotechnical Investigation & Testing:Lab Testing of Soils. Soils (Chemical Tests) - .03 Organic matter		Percentage by dry mass of oxidisable organic matter	0.1% to 11.5%	BS 1377-3: 2018 +A1: 2021,Cl.4
219 Soils for civil engineering purposes - .04 Liquid limit		Cone Penetrometer	(Definitive)	BS 1377-2: 2022 ISO 17892-12: 2018 +A2: 2022
219 Soils for civil engineering purposes - .05 Plastic limit		N/A	N/A	BS 1377-2: 2022 ISO 17892-12: 2018 +A2: 2022
219 Soils for civil engineering purposes - .06 Plasticity index			N/A	BS 1377-2: 2022 ISO 17892-12: 2018 +A2: 2022
219 Soils for civil engineering purposes - .11 Particle size distribution		Sieving method	N/A	BS 1377-2: 2022 ISO 17892-4: 2016
219 Soils for civil engineering purposes - .13 Dry density/moisture content relationship		2.5kg, 4.5kg & vibrating hammer	N/A	BS 1377-2: 2022

219 Soils for civil engineering purposes - .15 Moisture condition value (MCV)		N/A	N/A	BS 1377-2: 2022
227 Unbound & Hydraulically Bound Mixtures - .01 Laboratory reference density	Aggregates		N/A	EN 13286-4: 2021
229 Construction Products - .02 Compressive Strength	Masonry Units		30-2000kN	EN 772-1: 2011 + A1:2015
233 Environmental Testing - Atmospheric dust fall - 0.01 Determination of Atmospheric Dust fall – (Bergerhoff Instrument)	N/A	A	N/A	VDI 4320: Part 2 (IHTP40 & IHTP41)

Cork Laboratory

Construction Materials Testing

Category: B

Construction material/product - Tests	Matrix/methodology (where applicable if not insert n/a)	Equipment/technique	Range of measurement (where applicable)	Standard reference/SOP
212 Concrete - 212.09 Making Specimens for Strength Tests	Concrete	N/A	N/A	EN 12390-2: 2019
214 Soils (Site Tests) - .04 In-situ Density Tests	Soils	Nuclear Method	N/A	BS 1377-9: 1990
217 Bituminous materials - .01 Sampling	Bituminous materials	N/A	N/A	EN 12697-27: 2017
217 Bituminous materials - .13 Measurement of temperature			N/A	EN 12697-13: 2017
217 Bituminous materials - .35 Texture depth		Volumetric patch	N/A	IS EN 13036-1: 2010
220 Highways/roads and other paved surfaces including airfields - .08 Irregularity measurement	Highways / Roads and other paved surfaces including airfields	N/A	N/A	TII Series 700 Cl. 702, TRRL SR290 & UKAS TPS 25

Galway Laboratory

Construction Materials Testing

Category: A

Construction material/product - Tests	Matrix/methodology (where applicable if not insert n/a)	Equipment/technique	Range of measurement (where applicable)	Standard reference/SOP
212 Concrete - 212.10 Curing Specimens for Strength Tests	Concrete			EN 12390-2:2019
212 Concrete - 212.11 Compressive Strength Tests (Cubes and Cylinders)			120 - 3000kN	EN 12390-3:2019
212 Concrete - 212.13 Density				EN 12390-7:2019

Head Office - Dublin Laboratory

Construction Materials Testing

Category: A

Construction material/product - Tests	Matrix/methodology (where applicable if not insert n/a)	Equipment/technique	Range of measurement (where applicable)	Standard reference/SOP
212 Concrete - 212.07 Cored Specimen Examination	Hardened Concrete	Examination		EN 12504-1:2019
		Preparation		EN 12504-1:2019
		Testing for compressive strength		EN 12504-1:2019
212 Concrete - 212.09 Making Specimens for Strength Tests	Concrete			EN 12390-2:2019
212 Concrete - 212.10 Curing Specimens for Strength Tests				EN 12390-2:2019
212 Concrete - 212.11 Compressive Strength Tests (Cubes and Cylinders)			30 - 3000kN	EN 12390-3:2019
212 Concrete - 212.13 Density				EN 12390-7:2019
215 Aggregates (Chemical Tests) - .13 Ten percent fines value	Aggregates	In dry and soaked conditions	30 - 3000kN	BS 812-111:1990
216 Aggregates - .03 Sample reduction	Aggregates			EN 932-2:1999
216 Aggregates - .04 Particle size distribution		Sieving Method		EN 933-1:2012
216 Aggregates - .05 Flakiness index				EN 933-3:2012
216 Aggregates - .11 Microdeval co-efficient				EN 1097-1:2023
216 Aggregates - .13 Resistance to fragmentation		Los Angeles Method		EN 1097-2:2020
216 Aggregates - .17 Water content				EN 1097-5:2008

216 Aggregates - .18 Particle density and water absorption			31.5-4mm	EN 1097-6:2022
216 Aggregates - .23 Magnesium sulphate				EN 1367-2:2009
216 Aggregates - .99 Other tests		Density & Water Content - Vibrating Hammer		EN 13286-4:2021
		Methylene Blue		EN 933-9:2022
217 Bituminous materials - .05 Compaction	Bituminous materials			EN 12697-32:2019
217 Bituminous materials - .15 Binder content	Blacktop	By Ignition		EN 12697-39:2020
217 Bituminous materials - .19 Maximum density	Bituminous materials	Procedure A (Volumetric)		EN 12697-5:2018
217 Bituminous materials - .28 Bulk density		Method A (Dry), B (S.S.D), C (Sealed Specimen), D (Dimensions)		EN 12697-6:2020
217 Bituminous materials - .29 Air voids content				EN 12697-8:2018
217 Bituminous materials - .51 Sieve test	Blacktop			EN 12697-2:2015+A1:2019
218 Soils for Geotechnical Investigation & Testing:Lab Testing of Soils. Soils (Chemical Tests) - .01 Water content	Soils			BS 1377-2: 2022 ISO 17892-1: 2014 +A1: 2022
219 Soils for civil engineering purposes - .02 Moisture content		Oven Drying Method		BS 1377-2:2022 Cl.4.
	Soils & Rock			ASTM D2216-19
219 Soils for civil engineering purposes - .04 Liquid limit	Soils	Cone Penetrometer (one point method) & Definitive Method		BS 1377-2: 2022 ISO 17892-12: 2018 +A2:2022
219 Soils for civil engineering purposes - .05 Plastic limit				BS 1377-2: 2022 ISO 17892-12: 2018 +A2:2022
219 Soils for civil engineering purposes - .06 Plasticity index				BS 1377-2: 2022 ISO 17892-12: 2018 +A2:2022
219 Soils for civil engineering purposes - .09 Density				ISO 17892-2:2014

219 Soils for civil engineering purposes - .11 Particle size distribution		Sieving method		BS 1377-2:2022 ISO 17892-4:2016
		Uniformity Coefficient		TII SRW Series 600 : Sept 2024. Table 6/1, Footnote 5.
219 Soils for civil engineering purposes - .13 Dry density/moisture content relationship		Using the 2.5kg, 4.5kg & vibrating hammer		BS 1377-2:2022, Cl 11.
219 Soils for civil engineering purposes - .15 Moisture condition value (MCV)		Natural Moisture Method		BS 1377-2:2022, Cl.13.
219 Soils for civil engineering purposes - .17 California bearing ratio				BS 1377-2:2022, Cl.15.
219 Soils for civil engineering purposes - .25 Shear strength		Unconsolidated Undrained Triaxial Test		BS 1377-2: 2022 ISO 17892-8:2018
219 Soils for civil engineering purposes - .26 Shear strength effective stress		Direct shear test		BS 1377-2:2022 ISO 17892-10: 2018
222 Rock - .03 Slake Durability and Swelling				ASTM D4644-16
229 Construction Products - .01 Dimensions	Hardened concrete	Shape & dimensions for specimens		EN 12390-1:2021
229 Construction Products - .02 Compressive Strength	Masonry units			EN 772-1:2011+A1:2015
229 Construction Products - .52 Strength	Hydraulically bound mixtures	Compressive strength	20-2000kN	EN 13286-41:2003
229 Construction Products - .58 Mortar	Flexural and compressive strength of hardened mortar			EN 1015-11:2019

Head Office - Dublin Laboratory

Construction Materials Testing

Category: B

Construction material/product - Tests	Matrix/methodology (where applicable if not insert n/a)	Equipment/technique	Range of measurement (where applicable)	Standard reference/SOP
212 Concrete - 212.01 Sampling	Concrete	Composite and spot samples.		EN 12350-1:2019
212 Concrete - 212.04 Workability		Slump		EN 12350-2:2019
212 Concrete - 212.06 Air Content	Concrete	Pressure gauge method		EN 12350-7:2019
212 Concrete - 212.09 Making Specimens for Strength Tests	Concrete	Cubes		EN 12390-2:2019
214 Soils (Site Tests) - .04 In-situ Density Tests	Soils	Nuclear method, compliance testing		BS 1377-9:1990
214 Soils (Site Tests) - .05 In-situ Penetration Tests (DCP, SPT and Proctor)		Dynamic Cone Penetrometer	Depths up to 1.5m	Documented in-house method TP 43 based on Transport Research Laboratory (TRL) PR/INT/277/04 and National Roads Authority (NRA) Highway Documents HD 25-26/2010
214 Soils (Site Tests) - .06 In-situ Vertical Deformation and Strength Tests (PLT)			4 - 200kN	BS 1377-9:1990
214 Soils (Site Tests) - .07 Equivalent CBR Value determined from PLT & DCP Data		Calculation of Equivalent CBR, Elastic Modulus (MN/m2/m), Modulus of subgrade reaction (kN/m2/m), Stiffness modulus (MN/m2)		In-house method MIL/TP 042, based on (NRA) National Roads Authority Highway Documents:- HD 25-26/2010, HD 25/1994 and Series 600 NRA Specification for roadworks.

216 Aggregates - .02 Sampling stockpiles by hand	Aggregates			EN 932-1:1997
217 Bituminous materials - .01 Sampling	Bituminous materials			EN 12697-27:2017
217 Bituminous materials - .13 Measurement of temperature	Bitumimous materials			EN 12697-13:2017
217 Bituminous materials - .35 Texture depth	Surfaces	Surface macro texture using a volumetric patch		EN 13036-1:2010
217 Bituminous materials - .37 In situ density				ASTM D7113/D7113M - 10:2016
220 Highways/roads and other paved surfaces including airfields - .08 Irregularity measurement				TII Series 700 Cl.702, TRRL SR290 & UKAS T.P.S. 25