

Schedule of Accreditation



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|---|---|
| Organisation Name | Roadstone Ltd |
| Trading As | |
| INAB Reg No | 127T |
| Contact Name | Fiona Clancy |
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| Contact Phone No | 0864645096 |
| Email | FClancy@roadstone.ie |
| Website | http://www.roadstone.ie |
| Accreditation Standard | EN ISO/IEC 17025 T |
| Standard Version | 2017 |
| Date of award of accreditation | 18/02/2002 |
| Scope Classification | Construction materials testing |
| Services available to the public ¹ | No |

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 | Carrigtwohill | Carrigtwohill Quarry, Carrigtwohill, Co. Cork, Cork, Cork, Ireland, T45 V103 |
| 2 | Kilmacow | Kilmacow, Kilkenny, Ireland, X91 EW86 |
| 3 | Asphalt Research & Development Laboratory | Belgard Quarry, Fortunestown, Tallght, Dublin 24, Dublin, Ireland |
| 4 | Castlebar Quarry | Moneen Road, Castlebar, Mayo, Ireland, F23 DF83 |
| 5 | Head Office | c/o ISAC CRH, Fortunestown, Tallaght, Dublin, D24 |
| 6 | Slane Quarry Site | Slane, Meath |
| 7 | Huntstown Quarry Site | Finglas, Dublin, D11 |
| 8 | Allen Quarry Site | Naas, Kildare |

Scope of Accreditation

Allen Quarry Site

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 |
|---|---|----------------------------|---|-------------------------------------|
| 216 Aggregates - .03 Sample reduction | Reducing Laboratory Samples | Riffleing & Quartering | | TP 02 based on BS EN 932-2:1999 |
| 216 Aggregates - .04 Particle size distribution | Determination of Particle Size Distribution | Sieving Method | Wet and Dry Method | TP 04 based on BS EN 933-1:2012 |
| 216 Aggregates - .05 Flakiness index | Determination of Particle Shape | Flakiness Index | | TP 05 based on BS EN 933-3:2012 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .09 Hot Sand test for adhesivity | Hot Sand Test for Pre-Coated Chips | | | TP 29 based on BS EN 12697-37:2003 |
| 217 Bituminous materials - .15 Binder content | Determination of Binder Content | Ignition Oven | | TP 10a based on IS EN 12697-39:2020 |
| 217 Bituminous materials - .18 Particle Size distribution | Determination of grading of Bituminous Materials | Particle Size Distribution | Sieving Method | TP 10a based on IS EN 12697-39:2020 |

Allen Quarry Site

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 |
|---|---|------------------------|---|-------------------------------------|
| 216 Aggregates - .01 sampling | Sampling of Aggregates and Sands | Stockpile & Conveyor | | TP 01 based on BS EN 932-1:1997 |
| 216 Aggregates - .02 Sampling stockpiles by hand | | | | TP 01 based on BS EN 932-1:1997 |
| 216 Aggregates - .03 Sample reduction | Reducing Laboratory Samples | Riffleing & Quartering | | TP 02 based on BS EN 932-2:1999 |
| 217 Bituminous materials - .01 Sampling | Sampling of Bituminous Materials | | From Truck/Augers of Paver | TP 32 based on BS EN 12697-27:2017 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .13 Measurement of temperature | Temperature Measurement of Bituminous Materials | | From Truck/Laid Material | TP 41 based on BS EN 12697-13:2017 |

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 |
|---|--|---------------------------------|---|---|
| 216 Aggregates - .13 Resistance to fragmentation | Determination of Resistance to Fragmentation | Los Angeles Method | | TP 36 based on BS EN 1097-2:2020 |
| 216 Aggregates - .14 Railway ballast: Resistance to fragmentation | | | | TP 36 based on BS EN 1097-2:2020 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .19 Maximum density | Determination of Maximum Density | Procedure A - Volumetric Method | Quartering/Vacuum | FC 11 based on EN 12697-5:2018 |
| 217 Bituminous materials - .21 Sensitivity to water | Determination of Water Sensitivity of Bituminous Materials | Compression Machine | | TP 42 based on BS EN 12697-12:2018 Method A |
| 217 Bituminous materials - .22 Binder drainage | Schellenberg Binder Drainage Test | Drainage Method | | FC 6 based on BS EN 12697-18:2017 Method B |
| 217 Bituminous materials - .25 Wheel tracking | Determination of Wheel Tracking | Wheel Tracking/Compaction | Small Device | EN 12697-22:2020 Small Device Procedure A&B |
| 217 Bituminous materials - .27 Stiffness/ indirect tension | Determination of Stiffness Modulus | Nottingham Asphalt Tester | | EN 12697-26:2018 Annex C |
| 217 Bituminous materials - .28 Bulk density | Determination of Bulk Density of Bituminous Materials | Water Bath/Wet Method | | EN 12697-6:2020 Procedure B SSD |
| 217 Bituminous materials - .33 Percentage refusal density (PRD) | Method of Achieving Refusal Density | | | TP 28 based on BS EN 12697-32:2019 |
| 217 Bituminous materials - .34 Particle loss | Particle Loss of Porous Asphalt Specimen | Los Angeles Drum | | EN 12697-17:2017 |
| 217 Bituminous materials - .39 Needle penetration | Determination of Needle Penetration | Penetrometer Method | | EN 1426:2015 |
| 217 Bituminous materials - .40 Softening point | Determination of Softening Point | Ring and Ball Method | | EN 1427:2015 |

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 |
|---|--|---|---|-------------------------------------|
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Rifleing & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .36 Pavement surface macrotexture depth | Determination of pavement surface Macro Texture Depth | Volumetric Patch Testing using Glass Beads | | TP 30 based on BS EN 13036-1:2010 |
| 217 Bituminous materials - .37 In situ density | Determination of Density of Bituminous Materials in Place | Electromagnetic Surface Contact Method | | ASTM D7113/D7113M-10:2016 |

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 - 212.04 Workability | Determination of Slump of Fresh Concrete | Slump Test | | TP 15 based on BS EN 12350-2:2019 |
| 212 Concrete - 212.09 Making Specimens for Strength Tests | Making of Test Specimens for Strength Tests | | 100mm & 150mm Cubes | TP 16 based on BS EN 12390-2:2019 |
| 212 Concrete - 212.10 Curing Specimens for Strength Tests | Curing of Test Specimens for Strength Tests | Water Bath | | TP 16 based on BS EN 12390-2:2019 |
| 212 Concrete - 212.11 Compressive Strength Tests (Cubes and Cylinders) | Compression Testing on Moulded Specimens | | | TP 19 based on BS EN 12390-3:2019 |
| 212 Concrete - 212.13 Density | Determination of Density of Hardened Concrete | | | TP 26 & TP 18 based on BS EN 12390-7:2019 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35 based on BS EN 12697-28:2020 |
| 217 Bituminous materials - .15 Binder content | Determination of Binder Content | Ignition Oven | | TP 10 based on BS EN 12697-39:2020 |
| 217 Bituminous materials - .18 Particle Size distribution | Determination of grading of Bituminous Materials | Particle Size Distribution | Sieving Method | TP 10 based on BS EN 12697-02:2015 |

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 | n/a | | Spot & Composite Sample | TP 14 based on BS EN 12350-1:2019 |
| 212 Concrete - 212.04 Workability | Determination of Slump of Fresh Concrete | Slump Test | | TP 15 based on BS EN 12350-2:2019 |
| 212 Concrete - 212.09 Making Specimens for Strength Tests | Making of Test Specimens for Strength Tests | | 100mm & 150mm Cubes | TP 16 based on BS EN 12390-2:2019 |
| 212 Concrete - 212.10 Curing Specimens for Strength Tests | Curing of Test Specimens for Strength Tests | Water Bath | | TP 16 based on BS EN 12390-2:2019 |
| 217 Bituminous materials - .01 Sampling | Sampling of Bituminous Materials | | From Truck/Augers of Paver | TP 32 based on BS EN 12697-27:2017 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35 based on BS EN 12697-28:2020 |
| 217 Bituminous materials - .13 Measurement of temperature | Temperature Measurement of Bituminous Materials | | From Truck/Laid Material | TP 41 based on BS EN 12697-13:2017 |

Castlebar Quarry

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 |
|---|---|---------------------------------|---|-------------------------------------|
| 216 Aggregates - .04 Particle size distribution | Determination of Particle Size Distribution | Sieving Method Wet & Dry Method | | TP 04 Based on EN933-1:2012 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffling and Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .15 Binder content | Determination of Binder Content | Ignition Oven | | TP10a based on EN12697-39:2020 |
| 217 Bituminous materials - .18 Particle Size distribution | Determination of grading of Bituminous Materials | Particle Size Distribution | Sieving Method | TP10a based on EN12697-39:2020 |

Castlebar Quarry

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 |
|---|---|-------------------------|---|------------------------------------|
| 217 Bituminous materials - .01 Sampling | Sampling of Bituminous Materials | | From Truck/Augers of Paver | TP32 based on EN12697-27:2012 |
| 217 Bituminous materials - .02 Preparation of samples | Reducing Site Samples | Riffling and Quartering | | TP35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .13 Measurement of temperature | Temperature of Bituminous Materials | | From Truck/Laid Material | TP 41 based on EN12697-13:2017 |

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 - 212.04 Workability | Determination of Slump of Fresh Concrete | Slump Test | | TP 15 based on BS EN 12350-2:2019 |
| 212 Concrete - 212.09 Making Specimens for Strength Tests | Making of Test Specimens for Strength Tests | | 100mm & 150mm Cubes | TP 16 based on BS EN 12390-2:2019 |
| 212 Concrete - 212.10 Curing Specimens for Strength Tests | Curing of Test Specimens for Strength Tests | Water Bath | | TP 16 based on BS EN 12390-2:2019 |
| 212 Concrete - 212.11 Compressive Strength Tests (Cubes and Cylinders) | Compression Testing on Moulded Specimens | | | TP 19 based on BS EN 12390-3:2019 |
| 212 Concrete - 212.13 Density | Determination of Density of Hardened Concrete | | | TP 26 & TP 18 based on BS EN 12390-7:2019 |
| 216 Aggregates - .03 Sample reduction | Reducing Laboratory Samples | Riffleing & Quartering | | TP 02 based on BS EN 932-2:1999 |
| 216 Aggregates - .04 Particle size distribution | Determination of Particle Size Distribution | Sieving Method | Wet and Dry Method | TP 04 based on BS EN 933-1:2012 |
| 216 Aggregates - .05 Flakiness index | Determination of Particle Shape | Flakiness Index | | TP 05 based on BS EN 933-3:2012 |
| 216 Aggregates - .09 Assessment of fines | Assessment of Fines | Methylene Blue Test | | TP 24 based on BS EN 933-9:2009 + A1:2013 |
| 216 Aggregates - .20 Polished stone value | Determination of Polished Stone Value | | | BS EN 1097-8:2020 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .15 Binder content | Determination of Binder Content | Ignition Oven | | TP 10a based on IS EN 12697-39:2020 |
| 217 Bituminous materials - .18 Particle Size distribution | Determination of grading of Bituminous Materials | Particle Size Distribution | Sieving Method | TP 10a based on IS EN 12697-39:2020 |
| 219 Soils for civil engineering purposes - .04 Liquid limit | Determination of Liquid Limit | Cone Penetrometer | Definitive Method | TP 07 based on BS 1377-2:1990 |

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|---|---|----------------------------------|--|---------------------|
| 233 Environmental Testing - Atmospheric dust fall - 0.01 Determination of Atmospheric Dust fall – (Bergerhoff Instrument) | Test Method for Collection and Measurement of Dustfall | Settleable Particulate Matter | | ASTM D1739-98(2017) |
| | Test Method for the Collection and Measurement of Dustfall | | | VDI 432-2:2012 |

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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 | N/A | | Spot & Composite Sample | TP 14 based on BS EN 12350-1:2019 |
| 212 Concrete - 212.04 Workability | Determination of Slump of Fresh Concrete | Slump Test | | TP 15 based on BS EN 12350-2:2019 |
| 212 Concrete - 212.09 Making Specimens for Strength Tests | Making of Test Specimens for Strength Tests | | 100mm & 150mm Cubes | TP 16 based on BS EN 12390-2:2019 |
| 212 Concrete - 212.10 Curing Specimens for Strength Tests | Curing of Test Specimens for Strength Tests | Water Bath | | TP 16 based on BS EN 12390-2:2019 |
| 216 Aggregates - .01 sampling | Sampling of Aggregates and Sands | Stockpile & Conveyor | | TP 01 based on BS EN 932-1:1997 |
| 216 Aggregates - .02 Sampling stockpiles by hand | | | | TP 01 based on BS EN 932-1:1997 |
| 216 Aggregates - .03 Sample reduction | Reducing Laboratory Samples | Riffleing & Quartering | | TP 02 based on BS EN 932-2:1999 |
| 217 Bituminous materials - .01 Sampling | Sampling of Bituminous Materials | | From Truck/Augers of Paver | TP 32 based on BS EN 12697-27:2017 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .13 Measurement of temperature | Temperature Measurement of Bituminous Materials | | From Truck/Laid Material | TP 41 based on BS EN 12697-13:2017 |

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| 216 Aggregates - .04 Particle size distribution | Determination of Particle Size Distribution | Sieving Method Wet & Dry Method | | TP 04 based on BS EN 933-1:2012 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffling & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .15 Binder content | Determination of Binder Content | Ignition Oven | | TP 10a based on IS EN 12697-39:2020 |
| 217 Bituminous materials - .18 Particle Size distribution | Determination of grading of Bituminous Materials | Particle Size Distribution | Sieving Method | TP 10a based on IS EN 12697-39:2020 |

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| 217 Bituminous materials - .01 Sampling | Sampling of Bituminous Materials | | From Truck/Augers of Paver | TP 32 based on BS EN 12697-27:2017 |
| 217 Bituminous materials - .02 Preparation of samples | Reducing Site Samples | Riffling & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .13 Measurement of temperature | Temperature Measurement of Bituminous Materials | | From Truck/Laid Material | TP 41 based on BS EN 12697-13:2017 |

Slane Quarry Site

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 |
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| 216 Aggregates - .04 Particle size distribution | Determination of Particle Size Distribution | Sieving Method | Wet and Dry Method | TP 04 based on BS EN 933-1:2012 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .15 Binder content | Determination of Binder Content | Ignition Oven | | TP 10a based on IS EN 12697-39:2020 |
| 217 Bituminous materials - .18 Particle Size distribution | Determination of grading of Bituminous Materials | Particle Size Distribution | Sieving Method | TP 10a based on IS EN 12697-39:2020 |

Slane Quarry Site

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 |
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| 217 Bituminous materials - .01 Sampling | Sampling of Bituminous Materials | | From Truck/Augers of Paver | TP 32 based on BS EN 12697-27:2017 |
| 217 Bituminous materials - .02 Preparation of samples | Sample Preparation/Reduction | Riffleing & Quartering | | TP 35a based on IS EN 12697-28:2020 |
| 217 Bituminous materials - .13 Measurement of temperature | Temperature Measurement of Bituminous Materials | | From Truck/Laid Material | TP 41 based on BS EN 12697-13:2017 |