

# Schedule of Accreditation



Organisation Name	Roadstone Ltd
Trading As	
INAB Reg No	127T
Contact Name	Fiona Clancy
Address	c/o ISAC CRH, Fortunestown, Tallaght, Dublin, D24
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 <sup>1</sup>	No

<sup>1</sup> 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	Rifleing & 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	Rifleing & 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 EN 12697-37:2022		
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		

	Determination of Grading of Bituminous Materials			IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		

## 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	Rifleing & 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	Rifleing & 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		

# Asphalt Research & Development 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		
217 Bituminous materials - .02 Preparation of samples	Sample Preparation/Reduction	Riffleing & Quartering		TP 35a based on IS EN 12697-28:2020		
217 Bituminous materials - .18 Particle Size distribution	Determination of Grading of Bituminous Materials			IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		
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 & Procedure A		
217 Bituminous materials - .29 Air voids content	Determination of void characteristics			IS EN 12697-8:2018		

				IS EN 12697-8:2018		
				IS EN 12697-8:2018		
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		

# Asphalt Research & Development 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		
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		
	Determination of Sample Dimensions	TP26		BS EN 12390-1:2021		
				BS EN 12390-1:2021		
				BS EN 12390-1:2021		
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		
	Determination of Grading of Bituminous Materials			IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		

## 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		
	Determination of Sample Dimensions	TP26		BS EN 12390-1:2021		
				BS EN 12390-1:2021		
				BS EN 12390-1:2021		
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 933-9:2022		
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		
	Determination of Grading of Bituminous Materials			IS EN 12697- 2:2015+A1:2019		
				IS EN 12697- 2:2015+A1:2019		
				IS EN 12697- 2:2015+A1:2019		
219 Soils for civil engineering purposes - .04 Liquid limit	Determination of Liquid Limit	Cone Penetrometer	Definitive Method	TP 07 based on EN 17892-12:2018		
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)		

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		
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 - .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		
	Determination of Grading of Bituminous Materials			IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		

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	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		
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		
	Determination of Grading of Bituminous Materials			IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		
				IS EN 12697-2:2015+A1:2019		

## 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		
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		