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# External Service Yard (Fortel)

## Contents

**Fortel**  
Dil Singh  
d.s@fortel.co.uk  
Wednesfield Road  
Willenhall  
Wolverhampton  
WV13 1AE  
01902 603 409

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**winvic**

winvic.co.uk

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## Scope of Works



**winvic**

[winvic.co.uk](http://winvic.co.uk)



## 1.1. Company Details:

Company name: **FORTEl SERVICES LIMITED**

Address Line 1: Unit 1 Diversity Drive, Walsall WS2 8DS

Postcode: WS2 8DS

Tel: 01902603409

Email: Bhavik.patel@fortel.co.uk

Web: [www.fortel.co.uk](http://www.fortel.co.uk)

## 1.2 Project Details:

Principal Contractor: **WINVIC**

Site Address Line 1: P23012 WINGATE PLOT 3

Site Postcode: BL5 3XU

## 1.3 Scope of Works:

Installing and pouring 190mm C40 N/mm<sup>2</sup> air entrainment concrete incorporating 1 layers A252 in 190mm thick slab fabric reinforcement laid on a 1200-gauge polythene membrane. Surface received a brush finish with trowelled margin and cured with Sika cure hard 24 on external service yard at Winvic: P23012 WINGATE PLOT 3

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## Certificates/Warranties/Guarantees



**winvic**

[winvic.co.uk](http://winvic.co.uk)

# CERTIFICATE OF APPROVAL



**Product Conformity Certification - BS 8666 and  
related activities**

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This is to certify that

**ArcelorMittal Kent Wire Limited T\A AMCS**

at its establishment at

**Chatham Docks, Chatham, Kent, ME4 4SW, United Kingdom**

has satisfied the Authority that it operates a quality management system that complies with the requirements of BS EN ISO 9001 and the relevant CARES Quality and Operations Assessment Schedules. Where appropriate, and as listed below, it has further satisfied the Authority that it manufactures and/or supplies products that conform with the stated product standards and is entitled to use the CARES marks on its products using the processes and procedures registered with the Authority.

## **Scope of certification:**

Processing of steel reinforcement as stated on the attached appendices

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

CERTIFICATE NUMBER

**901202**

FIRST APPROVAL

**April 2012**

ISSUE DATE

**01 January 2023**

EXPIRY DATE

**31 December 2023**

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Lee Brankley,  
Chief Executive Officer

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 0002.

UK Certification Authority for Reinforcing Steels, Pembroke House, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, UK.

A Company Limited by Guarantee. Registered in England No. 1762448.

Cert. Ref: ALIC112010 18602 990 v05



0002

## APPENDIX TO CARES CERTIFICATE NO. 901202

ARCELORMITTAL KENT WIRE LIMITED T/A AMCS  
CHATHAM DOCKS  
CHATHAM  
KENT, ME4 4SW  
UNITED KINGDOM



**Product Conformity Certification - BS 8666 and  
related activities**

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### **SRC-Appendix 02 Processing and supply of bar, coil and fabric**

#### **Scope of certification:**

Processing of steel reinforcement to BS 8666:2020

Stocking and distribution of BS 4449:2005, BS 4482:2005 and BS 4483:2005.

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

CERTIFICATE NUMBER

**901202**

FIRST APPROVAL

**April 2012**

ISSUE DATE

**01 January 2023**

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**31 December 2023**

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Lee Brankley,  
Chief Executive Officer

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UK Certification Authority for Reinforcing Steels, Pembroke House, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, UK.

A Company Limited by Guarantee. Registered in England No. 1762448.

Cert. Ref: ALIC112010 18602 990 v05



0002

## APPENDIX TO CARES CERTIFICATE NO. 901202

**ARCELORMITTAL KENT WIRE LIMITED T/A AMCS**  
**CHATHAM DOCKS**  
**CHATHAM**  
**KENT, ME4 4SW**  
**UNITED KINGDOM**



**Product Conformity Certification - BS 8666 and related activities**

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### **SRC-Appendix 08 Mechanical coupling**

#### **Scope of certification:**

Application of Erico Lenton Taper Threaded standard (A12N) and positional (P13LN and P14LN) mechanical couplers to CARES Appendix TA1-B using BS 4449:2005 grades B500B and B500C in the size range 12 to 50mm for use in accordance with Technical Approval report TA1-B 5029.

Application of Erico Lenton Taper Threaded standard (A12) and positional (P13 and P14) mechanical couplers to CARES Appendix TA1-B using BS 4449:2005 grades B500B and B500C in the size range 12 to 50mm (A12) and 12 to 40mm (P13 and P14) for use in accordance with Technical Approval report TA1-B - 5027.

Application of Erico Lenton Ultimate Standard and Positional mechanical couplers to CARES Appendix TA1-A & TA1-B using BS 4449:2005 grades B500B and B500C in the size range 16 to 40mm for use in accordance with Technical Approval report TA1-A & TA1-B 5085.

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

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UK Certification Authority for Reinforcing Steels, Pembroke House, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, UK.

A Company Limited by Guarantee. Registered in England No. 1762448.

Cert. Ref: A1IC112010 18602 990 v05



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## APPENDIX TO CARES CERTIFICATE NO. 901202

ARCELORMITTAL KENT WIRE LIMITED T/A AMCS  
CHATHAM DOCKS  
CHATHAM  
KENT, ME4 4SW  
UNITED KINGDOM



**Product Conformity Certification - BS 8666 and  
related activities**

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### **SRC-Appendix 11 Tack Welding (ISO 17660)**

#### **Scope of certification:**

Manufacture of pre-assembled MAG welded fabrications using reinforcing bar in the size range 10 to 50mm to the relevant requirements of BS EN ISO 17660-2:2006 and BS 8548:2017 and CARES Quality and Operations Assessment Schedule 11 using tack joints produced under factory conditions.

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Lee Brankley,  
Chief Executive Officer

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UK Certification Authority for Reinforcing Steels, Pembroke House, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, UK.

A Company Limited by Guarantee. Registered in England No. 1762448.

Cert. Ref: AICC112010 18602 990 v05



0002

## APPENDIX TO CARES CERTIFICATE NO. 901202

ARCELORMITTAL KENT WIRE LIMITED T/A AMCS  
CHATHAM DOCKS  
CHATHAM  
KENT, ME4 4SW  
UNITED KINGDOM



Product Conformity Certification - BS 8666 and  
related activities

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### SRC-Appendix 12 Semi structural and structural welding (ISO 17660)

#### Scope of certification:

Manufacture of pre-assembled MAG welded fabrications using reinforcing bar in the size range 10 to 50mm to the relevant requirements of BS EN ISO 17660-1:2006 and BS 8548:2017 and CARES Quality and Operations Assessment Schedule 12 using semi-structural joints produced under factory conditions.

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

CERTIFICATE NUMBER

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ISSUE DATE

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**31 December 2023**

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Chief Executive Officer

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Cert. Ref: AICC112010 18602 990 v05



0002

# Certificate of Conformity



CPC  
Construction  
Products  
Certification

## Responsible Sourcing of Construction Products

*Construction Products Certification certifies that*

## Ready Mixed Concrete

*produced and supplied by*

### Hanson Quarry Products Europe Ltd

**Hanson House, 14 Castle Hill, Maidenhead, Berkshire SL6 4JJ**

*from its production plants listed on the attached schedule  
conforms to the following standard:*

***BES 6001:Issue 3.1  
Framework Standard for Responsible Sourcing***

*with a Performance Rating of*

**Excellent**



**Certificate No: CPRS 00001 Issue No 10**

Colin Head  
Chief Executive

Date Authorised: 31 December 2021  
Date of issue of first certificate: 9 September 2009

**THIS CERTIFICATE IS VALID FROM 1 JANUARY 2022 TO 31 DECEMBER 2024**

subject to continued compliance with the above standard as confirmed by routine surveillance. Confirmation of the current validity status of Certification may be obtained by enquiry to the CPC Central Records Office or by reference to BRE's Green Book Live website: [www.greenbooklive.com](http://www.greenbooklive.com)

*This Responsible Sourcing certification has been carried out under licence using BRE's Responsible Sourcing scheme methodology, scheme documentation and underpinning processes*

1 Mount Mews  
High Street, Hampton  
Middlesex TW12 2SH  
Telephone: 020 8481 9640  
Facsimile: 020 8979 4558  
[www.qsrmc.co.uk](http://www.qsrmc.co.uk)



# Certificate of Conformity



**CPC**  
Construction  
Products  
Certification

Appendix 1 to Certificate No CPRS 00001 Issue No: 10

## Hanson Quarry Products Europe Ltd

Hanson House, 14 Castle Hill, Maidenhead, Berkshire SL6 4JJ

### Scoring Table

Section		Score					
		1	2	3	4	5	Bonus
3.2.1	Responsible sourcing policy	C					
3.2.2	Legal compliance	C					
3.2.3	Quality management system	C					
3.2.4	Supplier management system	C					
3.3.1	Material traceability through supply chain	C					
3.3.2	EMS in the supply chain	C					
3.3.3	H&SMS in the supply chain	C					
3.4.1	Greenhouse gas emissions	C					
3.4.2	Energy management	C					
3.4.3	Resource use	C					
3.4.4	Waste prevention and management	C					
3.4.5	Water abstraction	C					
3.4.6	Life cycle assessment (LCA)	C					
3.4.7	Ecotoxicity	C					
3.4.8	Transports impacts	C					
3.4.9	Employment and skills	C					
3.4.10	Local community engagement	C					
3.4.11	Business ethics	C					
Key		C	Points Scored				
		C	Possible maximum clause score				
		C	Compulsory				
Total Section Score		C+	Sections 3.2 and 3.3				16
		C+	Section 3.4				36
Overall Rating		C	Excellent				

In accordance with the scheme requirements, CPC must be notified of any changes in circumstances so that the certification details can be amended.

Colin Head  
Chief Executive

Date Authorised: 31 December 2021  
Date of issue of first certificate: 9 September 2009

**THIS CERTIFICATE IS VALID FROM 1 JANUARY 2022 TO 31 DECEMBER 2024**

subject to continued compliance with the above standard as confirmed by routine surveillance. Confirmation of the current validity status of Certification may be obtained by enquiry to the CPC Central Records Office or by reference to BRE's Green Book Live website: [www.greenbooklive.com](http://www.greenbooklive.com)

1 Mount Mews  
High Street, Hampton  
Middlesex TW12 2SH  
Telephone: 020 8481 9640  
Facsimile: 020 8979 4558  
[www.qsrnc.co.uk](http://www.qsrnc.co.uk)

Schedule to Certificate No CPRS 00001 Issue No: 10

# Hanson Quarry Products Europe Ltd

**Hanson House, 14 Castle Hill, Maidenhead, Berkshire SL6 4JJ**

## Manufacturing Plants Table

<i>Plant</i>	<i>Address</i>	<i>Postcode</i>
ACTON	Hanson UK, British Rail Goods Yard, Horn Lane, Acton, London	W3 0BP
AINTREE	Hanson UK, Hartley's Avenue, Hartley's Village, Aintree, Liverpool	L9 7DB
AIRDRIE	Hanson UK, Petersburn Road, Airdrie, North Lanarkshire	ML6 8RG
ALLERTON PARK	Hanson UK, Allerton Park Quarry, Allerton Park, Knaresborough, North Yorkshire	HG5 0SD
ALTRINCHAM	Hanson UK, George Richards Way, Broad Heath, Altrincham, Cheshire	WA14 5DD
ANDOVER	Hanson UK, Shepherds Spring Lane, Andover, Hampshire	SP10 1DL
APPLEDORE	Hanson UK, Bidna Yard, Hubbastone Road, Appledore, Bideford, Devon	EX39 1LZ
ASHBOURNE	Hanson UK, Moor Farm Road East, Airfield Industrial Estate, Ashbourne, Derbyshire	DE6 1HA
ASHFORD	Hanson UK, Leacon Road, Fairwood Industrial Estate, Ashford, Kent	TN23 2TX
AUCKLEY	Hanson UK, Auckley Quarry, Hurst Lane, Auckley, Doncaster, South Yorkshire	DN9 3HQ
AVONMOUTH	Hanson UK, St. Andrew's Road, Avonmouth, Bristol	BS11 9HS
AYLESBURY	Hanson UK, Rabans Lane, Aylesbury, Buckinghamshire	HP19 8RT
BAMBER BRIDGE	Hanson UK, Charnley Fold Lane, Bamber Bridge, Preston, Lancashire	PR5 6QD
BANBURY	Smiths Concrete, Southam Road, Banbury, Oxfordshire	OX16 2RR
BASINGSTOKE	Hanson UK, Swing Swang Lane, Daneshill Industrial Estate, Basingstoke, Hampshire	RG24 0NR
BATH	Hanson UK, Newbridge Road, Bath, Somerset	BA1 3HH
BATTERSEA	Hanson UK, Kirtling Street, Nine Elms, London	SW8 5BP
BEACONSFIELD	Hanson UK, Springfield Farm Quarry, Broad Lane, Holtspur, Beaconsfield, Buckinghamshire	HP9 1XD
BEDFORD	Hanson UK, Cople Turn, Sandy Road, Cople, Bedford	MK44 3TP
BEDWORTH	Hanson UK, Bryant Road, Bayton Road Industrial Estate, Exhall, Coventry, Warwickshire	CV7 9EN
BICESTER	Smiths Concrete, Blackthorn Station, Blackthorn, Bicester, Oxfordshire	OX6 2AH
BLACKBURN	Hanson UK, Greenbank Industrial Estate, Green Bank Road, Whitebirk, Blackburn, Lancashire	BB1 3HT
BORDON	Hanson UK, Picketts Hill Lane, Sleaford, nr Bordon, Hampshire	GU35 8TF
BOURNEMOUTH	Hanson UK, Mannings Heath Road, Parkstone, Poole, Dorset	BH12 4NQ
BRACKLEY	Smiths Concrete, Shires Road, Buckingham Road Industrial Estate, Brackley, Northamptonshire	NN13 7EZ

<i>Plant</i>	<i>Address</i>	<i>Postcode</i>
BRIDGEND	Hanson UK, Lithalun Quarry, Eweny, Bridgend, Bridgend	CF35 5AN
BRIDGWATER	Hanson UK, Colley Lane Industrial Estate, Brue Avenue, Bridgwater, Somerset	TA6 5LT
BRIDLINGTON	Hanson UK, Pinfold Lane, Bridlington, East Riding of Yorkshire	YO16 6XP
BRISTOL	Hanson UK, Victoria Road, St Phillips, Bristol	BS2 OUT
BUDE	Hanson UK, Herdbury Quarry, Ivyleaf Hill, Bush, Bude, Cornwall	EX23 9LD
BURTON	Hanson UK, off Walton Lane, Barton under Needwood, Staffordshire	DE13 8EJ
BYFLEET	Hanson UK, Wintersells Road, Bfleet, Surrey	KT14 7LF
CAMBRIDGE	Hanson UK, Coldhams Lane, Cherry Hinton, Cambridge	CB1 3HS
CAMBRIDGE (MCP UK R Rapid 120)	Hanson UK, AstraZeneca, Co Skanska, Francis Crick Avenue, off Addenbrookes Road, Cambridge	CB2 0QH
CANNINGTON	Hanson UK, Castle Hill Quarry, Chads Hill, Cannington, Bridgwater, Somerset	TA5 2QF
CANNOCK	Hanson UK, Pottal Pool Quarry, Teddesley Hay, Penkridge, Staffordshire	ST19 5RR
CANTERBURY	Hanson UK, 254 Broadoak Road, Canterbury, Kent	CT2 7QL
CARDIFF ST DAVIDS	Hanson UK, Cardiff Wharf, Roath Dock Road, Northside Roath Dock, Cardiff	CF10 4ED
CARLISLE	Hanson UK, Willowholme Industrial Estate, Carlisle, Cumbria	CA2 5RZ
CARMARTHEN	Hanson UK, Plot 11, Cillefwr Industrial Estate, Johnstown, Carmarthen	SA31 3RU
CASTLEFORD	Hanson UK, Carrwood Road, Carrwood Industrial Estate, Castleford, West Yorkshire	WF10 4PS
CEMMAES ROAD	Hanson UK, Station Yard, Cemmaes Road, Nr. Machynlleth, Powys	SY20 8JZ
CHANDLERS FORD	Hanson UK, School Lane, Chandlers Ford, Hampshire	SO53 3DG
CHELMSFORD	Hanson UK, Bulls Lodge Quarry, Generals Lane, Boreham, Chelmsford, Essex	CM3 3HR
CHELTENHAM	Hanson UK, Tewkesbury Road, Cheltenham, Gloucestershire	GL51 9PJ
CHESTER	Hanson UK, Knutsford Way, Sealand Trading Estate, Chester, Cheshire	CH1 4NS
CHIPPING SODBURY	Hanson UK, Chipping Sodbury Quarry, Wickwar Road, Chipping Sodbury, Gloucestershire	BS37 6AY
COLCHESTER	Hanson UK, Roundbush Corner, Maldon Road, Layer Marney, Nr. Colchester, Essex	CO5 9XE
COVENTRY	Hanson UK, Torrington Avenue, Tile Hill, Coventry, West Midlands	CV4 9AP
COVENTRY	Smiths Concrete, Waverley Wood Farm, Weston Lane, Bubbenhall, Warwickshire	CV8 3BN
CRAWLEY	Hanson UK, Stephenson's Place, Three Bridges, Crawley, West Sussex	RH10 1TN
CROSSHANDS	Hanson UK, Plot 9, Crosshands Business Park, Crosshands, Carmarthenshire	SA14 6RB
CROYDON	Beddington Farm Road, Croydon, London	CR0 4XB
DAVYHULME	Davyhulme W.W.T.W, Trafford Way, Urmston, Manchester	M17 8DD
DENBIGH	Hanson UK, Denbigh Quarry, Craig Road, Denbigh	LL16 3YE
DENHAM	Hanson UK, Skip Lane, Harvil Road, Ickenham, Nr Uxbridge, London	UB10 8AU
DERBY	Hanson UK, Acre Lane, Aston on Trent, Shardlow, Derbyshire	DE72 2SP
DRUMCHAPEL	Hanson UK, Dalsetter Avenue, Drumchapel, Glasgow	G15 8SZ
DUMFRIES	Hanson UK, Heathhall Industrial Estate, Dumfries, Dumfries & Galloway	DG1 3PH
EBBW VALE	Hanson UK, Waun-y-Pound Industrial Estate, Ebbw Vale, Blaenau Gwent	NP23 6PL
EDINBURGH	Hanson UK, Edinburgh Depot, Nivensknow Road, Loanhead, City of Edinburgh	EH20 9AU
EDMONTON	Hanson UK, Stacey Avenue, off First Avenue, Edmonton, London	N18 3PL
EGREMONT	Hanson UK, Croft Pit Yard, Bigrigg, Egremont, Cumbria	CA22 2TX
ELY	Hanson UK, Angel Drove, Ely, Cambridgeshire	CB6 2AY
ERITH	Hanson UK, Church Manor Way, Erith, London	DA8 1DE

<i>Plant</i>	<i>Address</i>	<i>Postcode</i>
EXETER	Hanson UK, 16 Hennock Road, Marsh Barton Industrial Estate, Exeter, Devon	EX2 8RU
FROME	Hanson UK, Whatley Quarry, Frome, Somerset	BA11 3LF
GARSTON	Hanson UK, Dock Road, Garston, Liverpool, Merseyside	L19 2JW
GAYDON	Hanson UK, Leopold Farm, Leopold Lane, Gaydon, Warwickshire	CV35 0RR
GLASGOW CENTRAL	Hanson UK, 60-70 Jessie Street, Glasgow	G42 0PG
GOSPORT	Hanson UK, Fareham Road, Gosport, Hampshire	PO13 0AQ
GREENWICH	Hanson UK, 231 Tunnel Avenue, North Greenwich, London	SE10 0QE
GUILDFORD	Hanson UK, Riverway Estate, Peasmarsh, Guildford, Surrey	GU3 1LZ
GUNNISLAKE (HINGSTON DOWN)	Hanson UK, Hingston Down Quarry, Gunnislake, Cornwall	PL18 9AU
GWALCHMAI	Hanson UK, Caer Claw Quarry, Gwalchmai, Isle of Anglesey	LL65 4PW
HAILSHAM	Hanson UK, Diplocks Way Industrial Estate, Diplocks Way, Hailsham, East Sussex	BN27 3JF
HAVANT	Hanson UK, Harts Farm Way, Bedhampton, Havant, Hampshire	PO9 1JN
HAVERHILL	Hanson UK, Keddington Road, Sturmer, Haverhill, Suffolk	CB9 7XR
HEMEL HEMPSTEAD	Hanson UK, River End Road, Boxmoor, Hemel Hempstead, Hertfordshire	HP3 9AJ
HEXHAM	Hanson UK, Howford Quarry, Acomb, Hexham, Northumberland	NE46 4RY
HINKLEY POINT	Hanson UK, HPC Plants 1-4, EDF Energy, Hinkley Point C Power Station, Hinkley Point, Bridgwater, Somerset	TA5 1UD
HORSHAM	Hanson UK, Foundry Lane, Horsham, West Sussex	RH13 5PX
IPSWICH	Hanson UK, Sproughton Road, Ipswich, Suffolk	IP1 5AN
ISLE OF GRAIN	Hanson UK, Grain Road, Isle of Grain, Rochester, Kent	ME3 0AB
KETTERING	Hanson UK, Pytchley Lodge Road, Kettering, Northamptonshire	NN15 6JR
KINGS CROSS	Hanson UK, British Rail Goods Yard, Kings Cross, Off York Way, London	N1C 4AU
LEEDS 1	Hanson UK, Cross Green Way, Cross Green Industrial Estate, Leeds, West Yorkshire	LS9 0SE
LEEDS 2	Hanson UK, Knowesthorpe Road, Cross Green Industrial Estate, Leeds, West Yorkshire	LS9 0SA
LEICESTER	Hanson UK, Groby Quarry, Newtown Linford Lane, Groby, Leicester, Leicestershire	LE6 0HF
LEITH	Hanson UK, 24 West Shore Road, Granton, Edinburgh	EH5 1QD
LOW MOOR	Hanson UK, Common Road, Low Moor, Bradford, West Yorkshire	BD12 0SW
LUTON	Hanson UK, Cosgrove Way, Luton, Bedfordshire	LU1 1XL
MANCHESTER	Hanson UK, Great Jackson Street, Manchester	M15 4PA
MARKET HARBOROUGH	Hanson UK, Rockingham Road, Market Harborough, Leicestershire	LE16 7QE
MELTON MOWBRAY	Hanson UK, Welby Road, Asfordby Hill, Melton Mowbray, Leicestershire	LE14 3QX
MERCIA PARK	Hanson UK, A444, Swadlincote, Derbyshire	DE12 8AA
MILDENHALL	Hanson UK, Worlington Quarry, Bay Farm, Elms Road, Red Lodge, Worlington, Mildenhall, Suffolk	IP28 6BS
MILES PLATTING	Hanson UK, Norton Street, Miles Plating, Manchester	M40 8HD
MILTON KEYNES	Hanson UK, Old Wolverton Road, Wolverton, Milton Keynes, Buckinghamshire	MK12 5QP
MOLD	Hanson UK, Gas Lane, Mold, Flintshire	CH7 1UR
NEWBURY	Hanson UK, Boundary Road, Newbury, Berkshire	RG14 5RR
NEWPORT	Hanson UK, Felnex Industrial Estate, East Bank Road, Monmouthshire	NP9 0PP
NEWTON ABBOT	Hanson UK, Royal Aller Vale Quarry, Newton Abbot, Devon	TQ13 4NW
NORTHAMPTON	Hanson UK, Weedon Road Industrial Estate, Weedon Road, Northampton	NN5 5AL



<i>Plant</i>	<i>Address</i>	<i>Postcode</i>
NOTTINGHAM	Hanson UK, Wigwam Lane, Hucknall, Nottinghamshire	NG15 7TA
OLDBURY	Hanson UK, Roway Lane, Oldbury, Warley, West Midlands	B69 3EH
OLDHAM	Hanson UK, Forge Hill, Peel Street, Chadderton, Oldham	OL9 9LN
OXFORD	Hanson UK, Horspath Road, Oxford	OX4 2DP
OXFORD	Smiths Concrete, Eynsham Road, Cassington, Oxfordshire	OX8 1DG
PANNAL HARROGATE	Hanson UK, Building 16, Pannal Business Park, North Yorkshire	HG3 1JL
PEMBROKE	Hanson UK, Carew Airfield, Milton, Tenby, Pembrokeshire	SA70 8SX
PENDERYN	Hanson UK, Penderyn Quarry, Penderyn, Nr. Aberdare, Rhondda Cynon Taff	CF44 0TX
PENYBONT	Hanson UK, Hendy Wind Farm, Llandegley, Powys	LD1 5UF
PENMAENMAWR	Hanson UK, Penmaenmawr Quarry, Bangor Road, Penmaenmawr, Conwy	LL34 5NA
PENRITH	Hanson UK, Blencowe Station Yard, Blencowe, Penrith, Cumbria	CA11 0DE
PLYMOUTH CATTEDOWN	Hanson UK, 10 Shapters Way, Cattedown, Plymouth, Devon	PL4 0RU
READING	Hanson UK, Rail Depot, Wigmore Lane, Off Bath Road, Theale, Reading, Berkshire	RG7 5HH
RIPON	Hanson UK, Ure Valley Quarry, North Stainley, Ripon, North Yorkshire	HG4 3HT
ROCHESTER	Hanson UK, Euro Wharf, Royal Eagles Close, Medway City Estate, Frindsbury, Kent	ME2 4NF
ROSSINGTON	Hanson UK, Bankwood Lane, Rossington, Doncaster, South Yorkshire	DN11 0PS
SALFORD	Hanson UK, Daniel Adamson Road, off Eccles New Road, Salford	M5 2DT
SALISBURY	Hanson UK, Stephenson Road, Churchfields Industrial Estate, Salisbury, Wiltshire	SP2 7QL
SCARBOROUGH	Hanson UK, Wykeham Quarry, Wykeham, Scarborough, North Yorkshire	YO13 9QU
SELLAFIELD	Hanson UK, c/o Laing O'Rourke EPS3, Sellafield Limited, Cumbria	CA20 1PG
SEVENOAKS	Hanson UK, Pilgrims Way, Dunton Green, Sevenoaks, Kent	TN13 2TL
SHEFFIELD	Hanson UK, Highbridge Forge, 918 Pennistone Road, Sheffield, South Yorkshire	S6 2DL
SHOREHAM	Hanson UK, Basin Road South, Portslade, Brighton, East Sussex	BN41 1WF
SHREWSBURY	Hanson UK, Mousecroft Lane, Shrewsbury, Shropshire	SY3 9DX
SITTINGBOURNE	Hanson UK, Ridham Dock Road, Kemsley, Sittingbourne, Kent	ME9 8SR
SKIPTON	Hanson UK, Skipton Rock Quarry, Embsay, Skipton, North Yorkshire	BD23 6AB
SOUTHAMPTON	Hanson UK, Burnley Wharf, Marine Parade, Southampton, Hampshire	SO1 1JF
SOUTHEND	Hanson UK, Brickfields Way, Purdeys Industrial Estate, Rochford, Southend, Essex	SS4 1LX
ST. IVES	Hanson UK, Meadow Lane, St. Ives, Huntingdon, Cambridgeshire	PE27 4LG
STRATFORD-UPON-AVON	Smiths Concrete, Atherstone Industrial Estate, Atherstone-on-Stour, Stratford-upon-Avon, Warwickshire	CV23 8NJ
STIRLING	Hanson UK, Whitehouse Road, Springkerse Industrial Estate, Stirling	FK7 7SP
STOCKTON-ON-TEES	Hanson UK, Portrack Lane, Portrack, Stockton-On-Tees, Durham	TS18 2PH
STOKE-ON-TRENT	Hanson UK, Mossfield Road, Mossfield Industrial Estate, Longton, Staffordshire	ST3 5BW
SUTTON COURTENAY	Hanson UK, Sutton Courtenay Quarry, Appleford, Sutton Courtenay, Abingdon, Oxfordshire	OX14 4PW
SWANSEA	Hanson UK, St. Davids Road, Enterprise Park, Morriston, Swansea	SA6 8QL
SWINDON	Hanson UK, Bramble Close, Elgin, Swindon, Wiltshire	SN2 6DW
TAUNTON	Hanson UK, Priorswood Trading Estate, Taunton, Somerset	TA2 8DG
TEESPORT	Hanson UK, C/O Civil & Marine Ltd, Teesport, Middlesborough, Cleveland	TS6 6UF
THEALE	Hanson UK, Wigmore Lane, Theale, Reading, Berkshire	RG7 5HH
TIVERTON	Hanson UK, Howden Industrial Estate, Tiverton, Devon	EX16 5EY



<i>Plant</i>	<i>Address</i>	<i>Postcode</i>
TUNBRIDGE WELLS	Hanson UK, Clifton Road, High Brooms, Tunbridge Wells, Kent	TN2 3AU
WAKEFIELD	Hanson UK, Calder Vale Road, Wakefield, West Yorkshire	WF1 5PE
WALLASEY	Hanson UK, Dock Road, Nr. Old Gorsey Lane, Wallasey, Merseyside	L41 1ES
WANDSWORTH	Hanson UK, Pier Terrace, Jews Row, Wandsworth, London	SW18 1TB
WARE	Hanson UK, Marsh Lane, Ware, Hertfordshire	SG12 9QQ
WARRINGTON	Hanson UK, Gatewarth Industrial Estate, Sankey Bridge, Warrington, Cheshire	WA5 1DS
WARWICK	Smiths Concrete, Budbroke Road, Warwick	CV34 5XH
WASHINGTON	Hanson UK, Wilden Road, Pattinson Industrial Estate, District 8, Washington, Tyne & Wear	NE38 8QA
WEEFORD	Weeford Quarry, Moneymore Farm, Canwell, Sutton Coldfield, West Midlands	B75 5SX
WELLINGBOROUGH	Hanson UK, Sanders Road, Finedon Road Industrial Estate, Wellingborough, Northamptonshire	NN8 4NL
WEST DRAYTON	Hanson UK, West Drayton Depot, Stockley Road, West Drayton, Middlesex	UB7 9FN
WEST HOUGHTON	Hanson UK, Pendlebury Fold, Bolton	BL3 4SF
WEYMOUTH	Hanson UK, Chickerell Road, Weymouth, Dorset	DT3 4DQ
WIGAN	Hanson UK, 23 Queen Street, Wigan	WN3 4DZ
WIMBLEDON	Hanson UK, Archway Close, Endeavour Way, Durnsford Road, Wimbledon, London	SW19 8UH
WINSFORD	Hanson UK, Deakins Lane, off Smoke Hall Lane Industrial Estate, Winsford, Cheshire	CW7 3BJ
WOLVERHAMPTON	Hanson UK, Foxes Lane, Wolverhampton, West Midlands	WV1 1PA
WORCESTER	Hanson UK, Sherriff Street, Worcester	WR4 9AB
WREXHAM	Hanson UK, Llan-y-Pwll Quarry, Holt Road, Wrexham, Clwyd	LL13 9SA
YEOVIL	Hanson UK, Buckland Road, Pen Mill Trading Estate, Yeovil, Somerset	BA21 5EA
YORK	Ashbridge Concrete, Pigeoncote Industrial Estate, Malton Road, York, North Yorkshire	YO3 9TD
YORK	Hanson UK, Outgang Lane, Osbaldwick, York, North Yorkshire	YO19 5UP

## CERTIFICATE OF REGISTRATION

This is to certify that:

### **Arnold Laver & Company Ltd**

**Registered Address:** Bramall Lane, Sheffield, South Yorkshire, S2 4RJ, United Kingdom

**Central Office Address:** Olympic Sawmills, Oxclose Park Road North, Mosborough, Sheffield, South Yorkshire, S20 8GN, United Kingdom

has been assessed and certified as meeting the requirements of standard(s): **FSC-STD-40-004\_V3-1 EN Chain of Custody Certification; FSC-STD-40-003 V2.1 EN COC Certification of Multiple Sites; FSC-STD-50-001 V2-1 Certificate Holder Trademark Requirements for FSC® Chain of Custody Certification**

**Scope:** The Purchasing, Storage, Processing, Sales and Distribution of FSC certified timber and timber-based products including outsourcing activities.

**Type of Certification:** Multisite

**Method:** FSC Transfer system; FSC Percentage system

**Certificate Number:** INT-COC-002447, INT-CW-002447

For and on behalf of Interface NRM Ltd



**Dr. Gavin Jordan**

Director, Interface NRM Ltd.



The mark of  
responsible forestry

First Issue Date: 09/01/2023

Latest Issue Date: 16/01/2023

Certificate Expiry Date: 08/01/2028

Issue No: 2

- The validity of this certificate and the list of products covered by this certificate should be verified at [www.info.fsc.org](http://www.info.fsc.org), Forest Stewardship Council®
- The certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC certified (or FSC Controlled Wood).
- Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on sales and/or delivery documents.
- The certificate including all copies or reproductions is the property of Interface NRM Ltd and shall be returned or destroyed upon request.

Sites covered by this Certification:

Name	Address	Sub Code
Arnold Laver & Company Ltd	Olympic Sawmills, Oxclose Park Road North, Mosborough, Sheffield, South Yorkshire, S20 8GN, United Kingdom – Central Office	001
Arnold Laver & Co Ltd	124 New Road, Rainham, Essex, RM13 8RS, United Kingdom	002
Arnold Laver & Co Ltd	Firs Trading Estate, Oldington Lane, Kidderminster, Worcestershire, DY11 7QN, United Kingdom	004
Arnold Laver & Co. Ltd	Pontefract Road, Stourton, Leeds, West Yorkshire, LS10 1SW, United Kingdom	005
Arnold Laver & Co. Ltd	Timber Terminal Liverpool Road, Cadishead, Manchester, Greater Manchester, M44 5BZ, United Kingdom	006
Arnold Laver & Co. Ltd	Manningham Sawmills, Canal Road, Bradford, West Yorkshire, BD2 1AR, United Kingdom	007
Arnold Laver & Co. Ltd	Dudley Road, Oldbury, West Midlands, B69 3DA, United Kingdom	008
Arnold Laver & Co Ltd	Riverside Sawmills, Wagonway Road, Hebburn, Tyne & Wear, NE31 1SP, United Kingdom	009
Arnold Laver Timber World	Unit C1 Grovelands Industrial Estate, Longford, Coventry, Warwickshire, CV7 9ND, United Kingdom	010
Arnold Laver Timber World	Unit 12 Kingston Park, Flaxley Road, Cardea. Peterborough, PE2 9FT, United Kingdom	011
Arnold Laver & Co. Ltd	Robson Avenue, Teesside Industrial Estate, Thornaby, Thornaby, Stockton On Tees, TS17 9LS, United Kingdom	013
Arnold Laver & Co Ltd	Unit A, Access18 , Third Way, Avonmouth, Bristol, BS11 9YH, United Kingdom	014
Arnold Laver & Co Ltd – Borehamwood	Hertsmere Industrial Park, Chester Road, Borehamwood, Hertfordshire, WD6 1WS, United Kingdom	015
Arnold Laver Timber World	Unit 2 Roebuck Way, Knowlhill, Milton Keynes, Bucks, MK5 8HL, United Kingdom	016
National Timber Systems	Unit B, Cabot Park, Avonmouth, Bristol, BS11 9YH, United Kingdom	017

- The validity of this certificate and the list of products covered by this certificate should be verified at [www.info.fsc.org](http://www.info.fsc.org), Forest Stewardship Council®
- The certificate itself does not constitute evidence that a particular product supplied by the certificate holder is FSC certified (or FSC Controlled Wood).
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- The certificate including all copies or reproductions is the property of Interface NRM Ltd and shall be returned or destroyed upon request.

Hymor Timber	Scotia Business Park, Scotia Road, Tunstall, Stoke-on-Trent, Staffordshire, ST6 4HG, United Kingdom	018
Arnold Laver & Co. Ltd	Broadgate, Chadderton, Oldham, OL9 9XA, United Kingdom	019
Arnold Laver & Co. Ltd	478 Basingstoke Road, Reading, Berkshire RG2 0QN, United Kingdom	020
Arnold Laver & Co. Ltd T/A Mosborough Call Collect	Olympic Sawmills, Oxclose Park Road North, Mosborough, Sheffield, South Yorkshire, S20 8GN, United Kingdom	021
Arnold Laver & Co. Ltd.	Crowle Street, Hull, East Yorkshire, HU9 1RH, United Kingdom	022
National Timber Systems Catterick	Brompton on Swale, DL10 7HS, United Kingdom	023
NY Timber - Northallerton	Standard House, Northallerton Business Park, Thurston Road, Northallerton, North Yorkshire, DL6 2NA, United Kingdom	024
NY Timber - Sunderland	Moor Terrace, Sunderland, SR1 2PA, United Kingdom	025
NY Timber - North Shields	103 Tynemouth Road, North Shields, Tyne & Wear, NE30 1ED, United Kingdom	026

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Approved Body No 0836  
**British Board of Agrément**  
Bucknalls Lane  
Watford  
Hertfordshire WD25 9BA  
Telephone: 01923 665300  
e-mail: [clientservices@bbacerts.co.uk](mailto:clientservices@bbacerts.co.uk)  
website: [www.bbacerts.co.uk](http://www.bbacerts.co.uk)

## UK Certificate of Conformity of the Factory Production Control

### UK 0836–CPR–13/F030

In compliance with the Construction Products Regulation and The Construction Products (Amendment etc.) (EU Exit) Regulations 2020, this Certificate applies to the construction product:

#### **TOUGHSHEET 250, 300, 400 and TOUGHSHEET 500 MAX**

**Flexible sheets for waterproofing — Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet**

Produced by:

**Frank Mercer & Sons Limited**

Chequer Bent Works  
Manchester Road  
West Houghton  
Bolton, BL5 3JF

**and produced in the manufacturing plant:**

**Frank Mercer & Sons Limited**

Chequer Bent Works  
Manchester Road  
West Houghton  
Bolton, BL5 3JF

This Certificate attests that all provisions concerning the assessment and verification of constancy of performance described in the EN:

#### **EN 13967 : 2012**

Under system 2+ for the performances set out in this certificate are applied and that the factory production control fulfils all the prescribed requirements for these performances.

This Certificate was first issued on 15 June 2013 and remains valid for as long as the test methods and/or factory production control requirements included in the UK Designated Standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the factory production control Certification Body.

Signed on behalf of the British Board of Agrément:

Hardy Giesler  
Chief Executive Officer

Date of Third issue: 13 April 2022

Frank Mercer & Sons Ltd  
 Chequerbent Works  
 Manchester Road  
 Chequerbent, Westhoughton  
 Bolton, Lancashire BL5 2JF

## Declaration Of Performance Issue 2

### 1. Unique identification code of the product type

T2/51665 99/3603

### 2. Identification and Use

Toughsheet thickness are 250, 300, 400 and 500 microns flexible sheets for waterproofing. Identification is printed on each part of sheet including production date with label of certification attached to package

### 3. Intended use of the products

For use in: 1. concrete ground floors that are not subject to hydraulic pressure to protect buildings against water from the ground

### 4. Name and contact address of manufacturer

Frank Mercer & Sons Ltd, Chequerbent Works, Manchester Road, Chequerbent, Westhoughton, Bolton; Lancashire, BL5 2JF

### 5. System of assessment and verification of constancy of performance

System 2+

### 6. The notification body is BBA, British Board of Agreement

The BBA performs inspection of manufacturing plant and factory control and carries out continuous surveillance, assessment and evaluation of factory production control under system 2+ as described in harmonized standard EN 13967

### 7. Technical Specifications

#### 7.1 Description

Toughsheet Damp-proof membranes are a blown film of extruded polythene

Nominal spec.					Tolerance%
Thickness- micron	250	300	400	500	+/- 10% (-0% 400mic)
Roll length mts	25	25	20	12.5	-0/ + 5%
Roll width mts	4	4	4	4	-0/5%
Colours- blue/ black/ yellow/clear.					

## TEST. EN13967.

	250MU	300MU	400MU	500MU
TENSILE-EN 12311:2	100MLV	125MLV	180MLV	240MLV
THICKNESS -EN1849-2	+/-....10%	+h10%	±0/f10%	+/-10%
DROP DART-EN12691	30M.LV	30MLV	30MLV	30MLV
WIDTH - EN1848..2	4MT	4MT	4MT	4MT
NAIL TARE-EN12310	120MLV	130MLV	180MLV	200MLV

## BBATESTING.

STATIC LOAD-EN 12730 ALLPJ.\SS@ 20KGS METHOD B.  
 WATERPERMEABILITY-EN1931 PASS  
 WATERTIGHTNESS--EN1928 ' CONTROL- PASS  
 !CHEMICAL.. PASS  
 \*HEATAGED- PASS

Sign ijf9f nd op l, half of  
marmfacturer

Douglas Mercer, Managing Director  
 Frank Meteer & Sofls Ltd

heet Building Pi uct

SIGNED: Dargi

DATE: 4-08-20





# Alpha Testing Services Ltd

Alpha Testing Services Ltd  
Unit 3B, Silver End Industrial Estate,  
Wedgbury Way,  
Brierley Hill,  
West Midlands.  
DY5 3LA  
Tel +44 (0) 138 426 5626  
Email: office@alphatestingservices.co.uk

## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

Client Name: Fortel Services Limited For the attention of: Contracts Manager				Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS				Order Number: 183	
Name of Project:				Position of Concrete in Project:		Name of Concrete Supplier:		Report Reference:  ATS23/ 433-1	
C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU				External Floor Slab		Hanson			
Specification & Consistency of Concrete:			Measured Slump:	Air Content:	Date Made:	Time Made:	Date of Receipt:		
C:32/40; 20mm Agg; S3			100mm	-	12.01.2024	09.30	13.01.2024		
Client Cube Reference.	ATS Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)	Comp. Strength (N/mm²)	Specified Strength at 28 days (N/mm²)	Comments
2011157375.0000									
900000-002	Y507-1	19.01.2024	7	2420	100x100x100	435.0	43.5	40	
	507-2	09.02.2024	28	2430	100x100x100	594.8	59.5	40	
	507-3		SP						Disposed

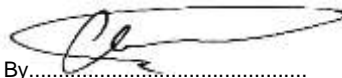
All cubes are tested as received

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm² /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
/Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 09 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

Page 1 of 1.

Authorised By: 

J. Clemson (Managing Director)





# Alpha Testing Services Ltd

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

Client Name: Fortel Services Limited For the attention of: Contracts Manager				Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS				Order Number: 183	
Name of Project:				Position of Concrete in Project:		Name of Concrete Supplier:		Report Reference:  ATS23/ 433-2	
C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU				External Floor Slab		Hanson			
Specification & Consistency of Concrete:			Measured Slump:	Air Content:	Date Made:	Time Made:	Date of Receipt:		
C:32/40; 20mm Agg; S3			110mm	-	12.01.2024	09.45	13.01.2024		
Client Cube Reference.	ATS Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)	Comp. Strength (N/mm²)	Specified Strength at 28 days (N/mm²)	Comments
2011157375.0000									
900000-003	Y508-1	19.01.2024	7	2430	100x100x100	440.9	44.1	40	
	508-2	09.02.2024	28	2410	100x100x100	570.9	57.1	40	
	508-3		SP						Disposed

All cubes are tested as received

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm <sup>2</sup> /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
/Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 09 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

Page 1 of 1.

Authorised By: 

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>		
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 433-3</b>		
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; S3		<b>Measured Slump:</b> 140mm	<b>Air Content:</b> -	<b>Date Made:</b> 24.01.2024	<b>Time Made:</b> 10.10	<b>Date of Receipt:</b> 25.01.2024			
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>			
004	Y849-1	31.01.2024	7	2420	100x100x100	416.3	41.6	40	
	849-2	21.02.2024	28	2420	100x100x100	579.8	58.0	40	
	849-3		SP						Disposed

All cubes are tested as received

Condition of Cubes when Received:		Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:		Yes
Laboratory Curing Range:		18°-22°C		Cube Made By:		Alpha Testing Services Ltd
/Cube Moisture Condition at Testing:		Saturated		Concrete Appearance:		Normal
Volume determined by:		Dimensions		Concrete Failure:		Satisfactory

Date of Issue: 21 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

Page 1 of 1.

Authorised By.....  


J. Clemson (Managing Director)



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DY5 3LA  
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## TEST CERTIFICATE - Concrete Cubes

Tested to BS EN 12390-3: 2019

Client Name: Fortel Services Limited For the attention of: Contracts Manager			Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS					Order Number: 183	
Name of Project:			Position of Concrete in Project:		Name of Concrete Supplier:			Report Reference:  ATS23/ 433-4	
C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			External Floor Slab		Hanson				
Specification & Consistency of Concrete:		Measured Slump:	Air Content:	Date Made:	Time Made:	Date of Receipt:			
C:32/40; 20mm Agg; S3		120mm	-	24.01.2024	12.00	25.01.2024			
Client Cube Reference.	ATS Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)	Comp. Strength (N/mm²)	Specified Strength at 28 days (N/mm²)	Comments
009	Y850-1	31.01.2024	7	2420	100x100x100	421.1	42.1	40	
	850-2	21.02.2024	28	2430	100x100x100	591.1	59.1	40	
	850-3		SP						Disposed

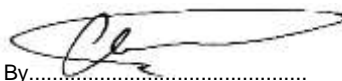
All cubes are tested as received

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm <sup>2</sup> /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
/Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 21 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

Page 1 of 1.

Authorised By: 

J. Clemson (Managing Director)



# Alpha Testing Services Ltd

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Brierley Hill,  
West Midlands.  
DY5 3LA  
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Email: office@alphatestingservices.co.uk

## TEST CERTIFICATE - Concrete Cubes

Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>		
<b>Name of Project:</b>			<b>Position of Concrete in Project:</b>		<b>Name of Concrete Supplier:</b>		<b>Report Reference:</b>  <b>ATS23/ 433-5</b>		
C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			External Floor Slab		Westhoughton Concrete				
<b>Specification &amp; Consistency of Concrete:</b>			<b>Measured Slump:</b>	<b>Air Content:</b>	<b>Date Made:</b>	<b>Time Made:</b>			
C:32/40; 20mm Agg; Add: AEA; S3			125mm	-	25.01.2024	14.50	26.01.2024		
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>	<b>Comp. Strength (N/mm²)</b>	<b>Specified Strength at 28 days (N/mm²)</b>	<b>Comments</b>
2011168611-001	Y148-1	01.02.2024	7	2430	100x100x100	415.3	41.5	40	
	148-2	22.02.2024	28	2430	100x100x100	588.8	58.9	40	
	148-3		SP						Disposed

All cubes are tested as received

Condition of Cubes when Received:	Wet	<b>Rate of Loading 0.4 to 0.8 N/mm² /sec</b>	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
/Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 22 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

Page 1 of 1.

Authorised By: 

J. Clemson (Managing Director)



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Brierley Hill,  
West Midlands.  
DY5 3LA  
Tel +44 (0) 138 426 5626  
Email: office@alphatestingservices.co.uk

## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>			
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Westhoughton Concrete		<b>Report Reference:</b>  <b>ATS23/ 433-6</b>			
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; Add: AEA; S3			<b>Measured Slump:</b> -	<b>Air Content:</b> -	<b>Date Made:</b> 25.01.2024	<b>Time Made:</b> 15.20				<b>Date of Receipt:</b> 26.01.2024
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>				<b>Comp. Strength (N/mm²)</b>
2011168611-002	Y149-1	01.02.2024	7	2430	100x100x100	423.8	42.4	40		
	149-2	22.02.2024	28	2430	100x100x100	584.1	58.4	40		
	149-3		SP						Disposed	

All cubes are tested as received

Condition of Cubes when Received:	Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
/Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 22 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>		
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 433-7</b>		
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; Add: AEA; S3		<b>Measured Slump:</b> 140mm	<b>Air Content:</b> -	<b>Date Made:</b> 26.01.2024	<b>Time Made:</b> 11.30	<b>Date of Receipt:</b> 27.01.2024			
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>			
Not Known	Y734-1	02.02.2024	7	2410	100x100x100	408.3	40.8	40	


All cubes are tested as received

Condition of Cubes when Received:	Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
/Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 02 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>			
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 433-8</b>			
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; Add: AEA; S3			<b>Measured Slump:</b> 120mm	<b>Air Content:</b> -	<b>Date Made:</b> 26.01.2024	<b>Time Made:</b> 14.15				<b>Date of Receipt:</b> 27.01.2024
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>				<b>Comp. Strength (N/mm²)</b>
Not Known	Y735-1	02.02.2024	7	2420	100x100x100	411.7	41.2	40		

All cubes are tested as received

Condition of Cubes when Received:	Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
/Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 02 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>		
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 456-1</b>		
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; S3		<b>Measured Slump:</b> 100mm	<b>Air Content:</b> -	<b>Date Made:</b> 01.02.2024	<b>Time Made:</b> 08.50	<b>Date of Receipt:</b> 02.02.2024			
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>			
2011174958	Y787-1	08.02.2024	7	2380	100x100x100	469.4	46.9	40	

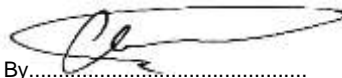
All cubes are tested as received

Condition of Cubes when Received:		Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:		Yes
Laboratory Curing Range:		18°-22°C		Cube Made By:		Alpha Testing Services Ltd
Cube Moisture Condition at Testing:		Saturated		Concrete Appearance:		Normal
Volume determined by:		Dimensions		Concrete Failure:		Satisfactory

Date of Issue: 08 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>			
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 456-2</b>			
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; S3			<b>Measured Slump:</b> 120mm	<b>Air Content:</b> -	<b>Date Made:</b> 01.02.2024	<b>Time Made:</b> 10.20				<b>Date of Receipt:</b> 02.02.2024
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>				<b>Comp. Strength (N/mm²)</b>
PE63 VSL	Y788-1	08.02.2024	7	2380	100x100x100	457.4	45.7	40		

All cubes are tested as received

Condition of Cubes when Received:		Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:		Yes
Laboratory Curing Range:		18°-22°C		Cube Made By:		Alpha Testing Services Ltd
Cube Moisture Condition at Testing:		Saturated		Concrete Appearance:		Normal
Volume determined by:		Dimensions		Concrete Failure:		Satisfactory

Date of Issue: 08 February 2024

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>			
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 456-3</b>			
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; Add: AEA; S3			<b>Measured Slump:</b> 130mm	<b>Air Content:</b> -	<b>Date Made:</b> 02.02.2024	<b>Time Made:</b> 11.00				<b>Date of Receipt:</b> 03.02.2024
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>				<b>Comp. Strength (N/mm²)</b>
Not Known	Y859-1	09.02.2024	7	2380	100x100x100	442.8	44.3	40		

All cubes are tested as received

Condition of Cubes when Received:	Wet	<b>Rate of Loading 0.4 to 0.8 N/mm² /sec</b>	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 09 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>			
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 456-4</b>			
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; Add: AEA; S3			<b>Measured Slump:</b> 140mm	<b>Air Content:</b> -	<b>Date Made:</b> 02.02.2024	<b>Time Made:</b> 12.00				<b>Date of Receipt:</b> 03.02.2024
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>				<b>Comp. Strength (N/mm²)</b>
Not Known	Y860-1	09.02.2024	7	2380	100x100x100	434.4	43.4	40		

All cubes are tested as received

Condition of Cubes when Received:		Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:		Yes
Laboratory Curing Range:		18°-22°C		Cube Made By:		Alpha Testing Services Ltd
Cube Moisture Condition at Testing:		Saturated		Concrete Appearance:		Normal
Volume determined by:		Dimensions		Concrete Failure:		Satisfactory

Date of Issue: 09 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>			
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 456-5</b>			
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; S3			<b>Measured Slump:</b> 130mm	<b>Air Content:</b> -	<b>Date Made:</b> 21.02.2024	<b>Time Made:</b> 11.05				<b>Date of Receipt:</b> 22.02.2024
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>				<b>Comp. Strength (N/mm²)</b>
VE63 PSL	Y828-1	28.02.2024	7	2350	100x100x100	377.7	37.8	40		

All cubes are tested as received

Condition of Cubes when Received:		Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:		Yes
Laboratory Curing Range:		18°-22°C		Cube Made By:		Alpha Testing Services Ltd
Cube Moisture Condition at Testing:		Saturated		Concrete Appearance:		Normal
Volume determined by:		Dimensions		Concrete Failure:		Satisfactory

Date of Issue: 28 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of:</b> Contracts Manager			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>		
<b>Name of Project:</b> C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			<b>Position of Concrete in Project:</b> External Floor Slab		<b>Name of Concrete Supplier:</b> Hanson		<b>Report Reference:</b>  <b>ATS23/ 456-6</b>		
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; S3		<b>Measured Slump:</b> 110mm	<b>Air Content:</b> -	<b>Date Made:</b> 21.02.2024	<b>Time Made:</b> 10.30	<b>Date of Receipt:</b> 22.02.2024			
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>			
2090425755	Y827-1	28.02.2024	7	2350	100x100x100	379.9	38.0	40	

All cubes are tested as received

Condition of Cubes when Received:	Wet	<b>Rate of Loading</b> <b>0.4 to 0.8</b> <b>N/mm² /sec</b>	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 28 February 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes

Tested to BS EN 12390-3: 2019

<b>Client Name: Fortel Services Limited</b> <b>For the attention of: Contracts Manager</b>			<b>Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS</b>				<b>Order Number: 183</b>		
<b>Name of Project:</b>			<b>Position of Concrete in Project:</b>		<b>Name of Concrete Supplier:</b>		<b>Report Reference:</b>  <b>ATS23/ 456-7</b>		
C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			External Floor Slab		Hanson				
<b>Specification &amp; Consistency of Concrete:</b> C:32/40; 20mm Agg; S3			<b>Measured Slump:</b> 130mm	<b>Air Content:</b> -	<b>Date Made:</b> 23.02.2024	<b>Time Made:</b> 08.10			
<b>Client Cube Reference.</b>	<b>ATS Cube Reference</b>	<b>Test Date</b>	<b>Test Age (Days)</b>	<b>Density (saturated) (kg/m³)</b>	<b>Designated Sizes (mm)</b>	<b>Max. Load (kN)</b>	<b>Comp. Strength (N/mm²)</b>	<b>Specified Strength at 28 days (N/mm²)</b>	<b>Comments</b>
2090438783	Y674-1	01.03.2024	7	2330	100x100x100	342.1	34.2	40	

All cubes are tested as received

Condition of Cubes when Received:	Wet	<b>Rate of Loading 0.4 to 0.8 N/mm² /sec</b>	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 01 March 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

Client Name: Fortel Services Limited For the attention of: Contracts Manager			Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS				Order Number: 183		
Name of Project:			Position of Concrete in Project:		Name of Concrete Supplier:		Report Reference:  ATS23/ 456-8		
C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			External Floor Slab		Hanson				
Specification & Consistency of Concrete:			Measured Slump:	Air Content:	Date Made:	Time Made:			
C:32/40; 20mm Agg; S3			140mm	-	23.02.2024	08.50	24.02.2024		
Client Cube Reference.	ATS Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)	Comp. Strength (N/mm²)	Specified Strength at 28 days (N/mm²)	Comments
2090438785	Y675-1	01.03.2024	7	2320	100x100x100	347.3	34.7	40	

All cubes are tested as received

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm² /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 01 March 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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Authorised By.....

J. Clemson (Managing Director)





# Alpha Testing Services Ltd

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DY5 3LA  
Tel +44 (0) 138 426 5626  
Email: office@alphatestingservices.co.uk

## TEST CERTIFICATE - Concrete Cubes Tested to BS EN 12390-3: 2019

Client Name: Fortel Services Limited For the attention of: Contracts Manager			Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS					Order Number: 183	
Name of Project:			Position of Concrete in Project:			Name of Concrete Supplier:		Report Reference:  ATS23/ 512-1	
C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			Internal Floor Slab			Hanson			
Specification & Consistency of Concrete:		Measured Slump:	Air Content:	Date Made:	Time Made:	Date of Receipt:			
C:25/30; MCC:260; 20mm Agg; W/C:0.65; S3		130mm	-	06.03.2024	10.50	07.03.2024			
Client Cube Reference.	ATS Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)	Comp. Strength (N/mm²)	Specified Strength at 28 days (N/mm²)	Comments
2090501618	G392-1	13.03.2024	7	2440	100x100x100	348.3	34.8	30	
	392-2	03.04.2024	28	2420	100x100x100	432.9	43.3	30	
	392-3		SP						Disposed

All cubes are tested as received

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm <sup>2</sup> /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 03 April 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

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## TEST CERTIFICATE - Concrete Cubes

Tested to BS EN 12390-3: 2019

Client Name: Fortel Services Limited For the attention of: Contracts Manager			Client Address: 1 Diversity Drive, Walsall, West Midlands, WS2 8DS					Order Number: 183	
Name of Project:			Position of Concrete in Project:		Name of Concrete Supplier:			Report Reference:  ATS23/ 512-2	
C/O Winvic, Unit 3 Panattoni Park, Great Bank Road, Wingates Industrial Estate, Bolton, BL5 3XU			Internal Floor Slab		Hanson				
Specification & Consistency of Concrete:		Measured Slump:	Air Content:	Date Made:	Time Made:	Date of Receipt:			
C:25/30; MCC:260; 20mm Agg; W/C:0.65; S3		150mm	-	06.03.2024	11.20	07.03.2024			
Client Cube Reference.	ATS Cube Reference	Test Date	Test Age (Days)	Density (saturated) (kg/m³)	Designated Sizes (mm)	Max. Load (kN)	Comp. Strength (N/mm²)	Specified Strength at 28 days (N/mm²)	Comments
2090501918	G393-1	13.03.2024	7	2410	100x100x100	351.2	35.1	30	
	393-2	03.04.2024	28	2430	100x100x100	460.1	46.0	30	
	393-3		SP						Disposed

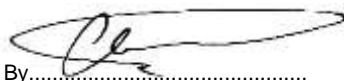
All cubes are tested as received

Condition of Cubes when Received:	Wet	Rate of Loading 0.4 to 0.8 N/mm <sup>2</sup> /sec	Making Certificate Available:	Yes
Laboratory Curing Range:	18°-22°C		Cube Made By:	Alpha Testing Services Ltd
Cube Moisture Condition at Testing:	Saturated		Concrete Appearance:	Normal
Volume determined by:	Dimensions		Concrete Failure:	Satisfactory

Date of Issue: 03 April 2024

Certified that curing in the laboratory and testing carried out in accordance with BS EN 12390-2:2019 and 12390-7:2019 and 12390-3:2019. This test report shall not be reproduced, except in full, without the written approval of Alpha Testing Services Limited. These results relate only to the items tested.

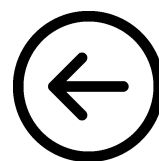
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Authorised By.....  


J. Clemson (Managing Director)

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# Cleaning and Maintenance Regimes



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## Cleaning and Maintenance Regimes

This maintenance schedule for **P23012 Wingates Plot 3** is to be followed from PC date **03/06/2024** year on year to ensure all plant and equipment is kept within warranty.

Please keep a log of these inspections so that records can be checked should an issue arise.

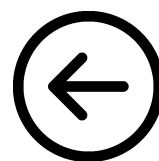
Code; ✓ **Blue – Recommended** ✓ **Red – To Maintain Warranty**

Item	Daily	Weekly	Monthly	3 Months	6 Months	9 Months	Annually	5 Yearly	Certificates	Regime
Cleaning	✓									Regular Cleaning is essential to stop dust and dirt building up, as increased surface wear or susceptibility to slips can results if a floor is not clean and dry. Frequency of cleaning will largely depend on the type of contamination. For maximum effectiveness the floor should be cleaned with a mechanical vacuum scrubber drier at least once per week. Care should be taken when using cleaning material especially if used in the wrong concentration, giving rise to etching or wear.
Spillage	✓									These should be wiped up or absorbed and removed as quickly as possible. Once removed the floor should be cleaned thoroughly.
Joint Inspection	✓									Joints should be regularly inspected for sign of wear and damage. Any arris damage that has occurred should be quickly repaired as deterioration will be accelerate once it has started. Any defective joint sealant in trafficked areas should be replaced.
Inspection and Action	✓									Cleaning regime to remove dust, dirt and debris
	✓									Use floor scrubber or vacuum scrubber dryer
				✓						General and visual inspection of trafficked areas.
				✓						Repairs any spalling or raveling of joints edges and replace joints sealant (as required)

Item	Daily	Weekly	Monthly	3 Months	6 Months	9 Months	Annually	5 Yearly	Certificates	Regime
							✓			Full inspection of floors condition
							✓			Replace sealant in floor joints if de-bonded or split due to movement.
								✓		Thoroughly clean the slab floor

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## Data Sheets



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