Certificate No:	K19\928	86\2910	19\a				MTtest Sc	uthern
То:								NAME OF TAXABLE PARTY.
Client:	Hanson Ashby F Shepsh Loughb	Road Ea ed	st		ough			62 423 040
Client Ref:	HE PIN	601825					e:info@mattests w:www.mattests	
Dear sirs,		Sumi				ces Site Testing bt - Wix		
						Date Tested : 29 Tested By :	.10.19	
				Tes	tina / li	nspection		
	L Base	U Base	Binder			Remarks		
Laying records*	•				Yes			
Material temps					Yes	8		
Environmental* Insitu Densities					Yes			
RSE		. 9			Yes	15-		
Texture Depth					Yes			
RoS Bond Coat					No	Tested 28.10.19		
3m S. Edge*								
RoS Chips								
RHC*								
Pendulum*								
Cores		. 91			Yes	\$*		
Samples	·				res	2.		
Comments								
	2						žs	
* Not on current UKAS	S accredi	itation s	chedule	<u> </u>				
Approved For Issue								do l
				Ú				

Date:

Page 1 of 1

(Senior Operations Manager)

30.10.19

Certificate No: K19\9286\291019\c

To:

Dear sirs,

Client: Hanson Contracting Loughborough

Ashby Road East

Project: A120 Horsley Xrbt - Wix

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

MATTest Southern

Suite D, Gloverside Burymead Road Hitchin

Herts, SG5 1RT

t: 01462 423 040 e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

# Environmental / Weather Conditions BS594987 2015 / SHW 945

Date Tested: 29.10.19

Tested By:

Time hh:mm	Air Temp. °C	Ground Conditions	Wind Speed km/hr	Sky Condition
20:00	9	Dry	10	Overcast
21:00	9	Dry	10	Overcast
22:00	9	Dry	11	Overcast
23:00	9	Dry	11	Overcast
00:00	9	Dry	11	Overcast
01:00	9	Dry	11	Overcast
02:00	9	Dry	10	Overcast
03:00	9	Dry	10	Overcast
04:00	9	Dry	10	Overcast
05:00	9	Dry	10	Overcast
06:00	9	Dry	10	Overcast
				5/45 X (4) 13 (5) 5 (5) 5

Comments:

Temperature Ref: SB1-075 Anemometer Ref: -

Windspeed / Air temperature taken a 2m height

Approved For Issue

Date: 30.10.19

Page 1 of 1

Certificate No: K19\9286\291019\b

To:

10.

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU



Suite D, Gloverside Burymead Road Hitchin Herts, SG5 1RT

t: 01462 423 040 e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

Tested By: |

Client Ref: HE PIN 601825

**Daily Report on Laying Operations** 

Dear sirs, Project: A120 Horsley Xrbt - Wix Paver: Dynapac Sd2500Ws Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Roller 1: Bomag Bw 161 Ad-Cv

Supplier/Plant (1): Bulls Lodge Asphalt Roller 2: Bomag 120 Ad

Supplier/Plant (2): Delivery Temperature Limits: 150 to 195 °C

Supplier/Plant (3): Min Rolling Temperature: 100 °C

	Source	Load	Accum.	Arrival	Unload	End	Initial	Rolling		cratare.	Location D	etails		1, 2	Bosses	Sample
Docket Number	1/2/3	tonnage	tonnage	Time	Time	Time	Temp	Temp.	Start Ch	End Ch	Road Name	Direction	Lane	Layer	Remarks	Number
1927327820	1	19.86	19.86	22:20	22:37	22:40	165	139	143	163	A120	EB	1	Surface		35293
LOAD CONT'D	3,11	7 <del>1.</del> 2	19.86	)n	22:58	23:02	166	140	270	289	CMX					
(11)	7.00	367	19.86	"	23:41	23:43	164	140	540	550	н		и	m.		
1927327821	Man 3	20.02	39.88	22:30	23:46	23:48	165	148	550	590	н	· ·		**		
LOAD CONT'D	**	843	39.88	,	23:58	00:00	162	145	710	718	н			"		
1927327822		19.90	59.78	22:40	00:02	00:04	158	123	718	728	H					
LOAD CONT'D		- 60	59.78		00:12	00:13	155	124	760	795	п		Cen Res			
	5.93	(2)	59.78	."	00:31	00:32	156	128	872	885	(m)	8.0	1			
( <b>ii</b> )	700	\$ <del>7</del> .5	59.78	"	00:59	01:01	154	137	986	1000	н.	<b></b>	<b></b>			
1927327823	- n	19.90	79.68	23:00	01:08	01:10	164	140	1025	1046	O m <					
LOAD CONT'D	7.00	380	79.68	jn .	01:34	01:37	162	132	1046	1007	н	WB	an .	3m S		
	100	340	79.68		01:41	01:42	165	136	961	950	н					
1927327824		19.76	99.44	23:15	01:44	01:46	166	140	950	945	н					
LOAD CONT'D		143	99.44	į.	01:55	02:00	167	143	868	828	н					
1927327825		19.60	119.04	23:45	02:06	02:14	163	145	787	740	п					
1927327826	9.00	19.84	138.88	01:00	02:15	02:18	165	141	740	706	(III)					

Temperature Equipment Ref: SB1-075

Rolling Temps tested in accordance with BS EN 12697-13: 2017, CL4.1.3

Discharge temperature in accordance with In house procedure B1 & BS EN 123697-13: 2017 CL4.2.3.4

Temp Limits in accordance with supplier information and BS 594987:2015 + A1 : 2017; BSEN 13108-1:2006/-4:2006/-5:2006

Delivery limits only applicable if measured within 30 minutes of arrival

= Result not compliant with above standards Page 1 of 2

Approved For Issue

(Senior Operations Manager)



Date: 30.10.19

1740

Certificate No: K19\9286\291019\b

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU



Suite D, Gloverside Burymead Road Hitchin Herts, SG5 1RT

t: 01462 423 040 e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

Tested By:

Client Ref: HE PIN 601825

**Daily Report on Laying Operations** 

Project: A120 Horsley Xrbt - Wix Paver: Dynapac Sd2500Ws Dear sirs. Date Tested: 29.10.19

> Material: DURAFALT 10 SURF 40/60 PSV68 PHH Roller 1: Bomag Bw 161 Ad-Cv

Supplier/Plant (1): Bulls Lodge Asphalt Roller 2: Bomag 120 Ad Supplier/Plant (2): Delivery Temperature Limits: 150 to 195 °C

Supplier/Plant (3): Min Rolling Temperature: 100 °C

Docket Number	Source	Load	Accum.	Arrival	Unload	End	Initial	Rolling			Location D	etails		20	Remarks	Sample
Docket Number	1/2/3	tonnage	tonnage	Time	Time	Time	Temp	Temp.	Start Ch	End Ch	Road Name	Direction	Lane	Layer	Remarks	Numbe
LOAD CONT'D	1	r <del>e</del> a.	138.88	01:00	02:25	02:27	161	139	530	505	A120	WB	1	Surface		
1927327827	in.	19.74	158.62	01:40	02:31	02:33	163	129	505	490	"			(11)		
LOAD CONT'D	500	340	158.62	-	02:40	02:43	166	141	421	388		<b>34</b> 5	***	·# 3		.3
1927327902		14.04	172.66		02:48	03:00	164	134	358	298						
HAND WRITTEN	, u	14.36	187.02	06:10	06:16	06:20	166	140	183	168						3
		<i>(</i>										8				
ĵ												2				
						ĺ	ĺ									
				05				03	22							
		0	$C_{2n}^{ij}$	72	V. 1.	-2		G.	C.	G.			-			9
		o o						S.	5			8		8		3
		0	3.	2.	2:	2.	2.	2.	2				ė.			3
		8												Ï		
20				ex.				CX.				7/		Î		
Temperature Equi	pment Re	: SB1-075	5	9:				5				Approv	ed For	Issue	Date: 30.1	0.19

cell highlighted

Rolling Temps tested in accordance with BS EN 12697-13: 2017, CL4.1.3

Discharge temperature in accordance with In house procedure B1 & BS EN 123697-13: 2017 CL4.2.3.4

Temp Limits in accordance with supplier information and BS 594987:2015 + A1 : 2017; BSEN 13108-1:2006/-4:2006/-5:2006

Delivery limits only applicable if measured within 30 minutes of arrival

= Result not compliant with above standards

Page 2 of 2





Certificate No: K19\9286\291019\g

To:

Client: Hanson Contracting Loughborough

Ashby Road East

HE PIN 601825

Shepshed

Loughborough, LE12 9BU

MATtest Southern

Suite D, Gloverside Burymead Road

Hitchin

Herts, SG5 1RT

t: 01462 423 040

e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

Dear sirs,

Client Ref:

# Initial Surface Texture Depth Measurement BS598-105 2000

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By:

Supplier: Bulls Lodge Asphalt Date Laid: 29.10.19
Road Speed: >50 mph Surface Condition: Untrafficked

J45524 J4590												
Direction:	EB	Test no:	1	2	3	4	5	6	7	8	9	10
Lane:	1	R1	240	245	210	230	230	235	230	235	220	230
Start CH:	540	R2	220	240	240	250	250	220	230	255	230	210
End CH:	590	R3	220	240	235	235	230	220	225	240	220	215
Average TD(MTD):	1.2	R4	235	235	220	240	240	230	230	240	220	225
Road/Remarks:	A120			-								
Direction:	WB	Test no:	1	2	3	4	5	6	7	8	9	10
Lane:	1	R1	200	190	220	240	240	235	230	230	240	140
Start CH:	358	R2	190	195	220	210	230	250	235	220	240	140
End CH:	308	R3	190	195	220	225	230	240	235	220	235	140
Average TD(MTD):	1.5	R4	200	190	220	225	235	240	235	230	240	140
Road/Remarks:	A120	30 163			9			3				
Direction:		Test no:	1	2	3	4	5	6	7	8	9	10
Lane:		R1										
Start CH:		R2										Į.
End CH:		R3										8
Average TD(MTD):		R4										6
Road/Remarks:												
Direction:		Test no:	1	2	3	4	5	6	7	8	9	10
Lane		R1	.00				Ì					
Start CH:		R2	Ü									
End CH:		R3										
					1							
Average TD(MTD):		R4					,					

Comments:

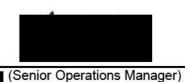
Extract from Specification of Highway Works. Volume 1, Series 900, Table 9/3: Requirements for Initial Texture Depth

Road	Surfacing Type	Av. per	1 000m	Per set	Round-	Surfacing Type	Av. per	1 000m	Per set
Туре	Surfacing Type	Min	Max	min	abouts	Surfacing Type	Min	Max	min
	Clause 942 TSCS (14mm)	1.3	1.8	1.0	≥ 50	Clause 942 TSCS (10mm)	1.1	1.6	0.9
	Clause 942 TSCS (10mm)	1.1	1.6	0.9	mph	Chipped HRA & all others	1.2	1.7	1.0
≥ 50 mph	Clause 942 TSCS (6mm)	1.0	1.5	0.9	* 40	Clause 942 TSCS (10mm)	1.1	1.6	0.9
	Clause 942 TSCS (cold)	1.5	2.0	1.2	≤ 40 mph	Clause 942 TSCS (6mm)	1.0	1.5	0.9
	Chipped HRA & all others	1.5	2.0	1.2	Прп	Chipped HRA & all others	1.0	1.5	0.9
≤ 40 mph	Clause 942 TSCS (≤14mm)	1.0	1.5	0.9	cell hig	hlighted = Result not compli	iant with a	bove table	9
≥ 40 mpn	Chipped HRA & all others	1.2	1.7	1.0					

Page 1 of 1

TD Equipment Ref: SB6-71

Approved For Issue



Date: 30.10.19

Certificate No: K19\9286\291019\f

To:

Client: Hanson Contracting Loughborough

Ashby Road East

HE PIN 601825

Shepshed

Loughborough, LE12 9BU



Suite D, Gloverside Burymead Road

Hitchin

Herts, SG5 1RT

t: 01462 423 040

e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

Dear sirs,

Client Ref:

# Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By: ■

Supplier: Bulls Lodge Asphalt Date Laid: 29.10.19
Road Category: A Surface Condition: Untrafficked

Ro	ad Name:		A120							
	Direction:		East							
	Lane:	1								
Whe	el Track:	Offside	Layer:	Surface						
}	Start CH:		143							
End CH:			163							
Section	n Length:		300m							
Sectio	n CH	Tota	al Irregula	rities						
Start	End	≥4mm	≥7mm	≥10mm						
143	163	1	0	0						
			5	6						

Ro	ad Name:		A120							
9	Direction:		East							
	Lane:	1								
Whe	eel Track:	Offside	Layer:	Surface						
	Start CH:		270							
	End CH:	289								
Sectio	n Length:	300m								
Section	n CH	Tota	al Irregula	rities						
Start	End	≥4mm	≥7mm	≥10mm						
270	289	0	0	0						
i		2								
			-							
				52.						
9										
-										
-										
		2		di-						

Comments

Tested in accordance with SHW Clause 702

Extract from Specification of Highway Works. Volume 1, Series 700, Table 7/2 - Maximum Permitted Number of Surface Irregularities

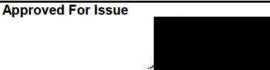
	Surfa	ce <mark>cour</mark> se	The state of the s	jeway, <mark>ha</mark> r u <mark>lde</mark> r	d strip and	d hard	Surface & Binder of lay-bys & service areas carriageway, hard strip, hard shou						
Limits	4mm		7mm		10	mm	4n	nm	7mm		10mm		
Section Length(m)	300	75	300	75	300	75	300	75	300	75	300	75	
Category A Road	20	9	2	1	0	0	40	18	4	2	0	0	
Category B Road	40	18	4	2	0	0	60	27	6	3	0	0	

Sections shorter than 300m forming part of a longer pavement shall be assessed using the number of irregularities for a 300m length pro-rata to the nearest whole number.

Page 1 of 8

cell highlighted = Result not compliant with above table

RSE Equipment Ref: E00626



Date: 30.10.19

e. <u>50.10.19</u>



Certificate No: K19\9286\291019\f

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,



Suite D, Gloverside Burymead Road

Hitchin

Herts, SG5 1RT

t: 01462 423 040 e:info@mattestsouth.co.uk

w:www.mattestsouth.co.uk

## Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By: ■

Supplier: Bulls Lodge Asphalt Date Laid: 29.10.19
Road Category: A Surface Condition: Untrafficked

Ro	ad Name:		A120						
	Direction:		East						
	Lane:	1							
Whe	eel Track:	Offside	Layer:	Surface					
	Start CH:		540						
End CH: Section Length: Section CH			590						
			300m						
		Total Irregularities							
Start	End	≥4mm	≥7mm	≥10mm					
540	840	2	0	0					

Ro	ad Name:		A120								
)	Direction:		East								
	Lane:		1	72.							
Whe	eel Track:	Offside Layer: Surfa									
1	Start CH:	710									
	End CH:		728								
Sectio	n Length:		300m								
Section	n CH	Tota	al Irregula	rities							
Start	End	≥4mm	≥7mm	≥10mm							
710	728	1	0	0							
	_										

Comments:

Tested in accordance with SHW Clause 702

Extract from Specification of Highway Works. Volume 1, Series 700, Table 7/2 - Maximum Permitted Number of Surface Irregularities

	Surfa	ce <mark>cour</mark> se	The state of the s	jeway, <mark>ha</mark> r u <mark>lde</mark> r	d strip and	d hard	Surface & Binder of lay-bys & service areas carriageway, hard strip, hard shou						
Limits	4mm		7mm		10	mm	4n	4mm		nm	10mm		
Section Length(m)	300	75	300	75	300	75	300	75	300	75	300	75	
Category A Road	20	9	2	1	0	0	40	18	4	2	0	0	
Category B Road	40	18	4	2	0	0	60	27	6	3	0	0	

Sections shorter than 300m forming part of a longer pavement shall be assessed using the number of irregularities for a 300m length pro-rata to the nearest whole number.

cell highlighted = Result not compliant with above table

RSE Equipment Ref: E00626

**Approved For Issue** 



Date: 30.10.19



Certificate No: K19\9286\291019\f

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,

Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By: Date Laid: 29.10.19

Supplier: Bulls Lodge Asphalt

Road Category: A

Ro	ad Name:		A120					
	Direction:	East						
	Lane:	1						
Whe	eel Track:		Layer:					
1	Start CH:		986					
	End CH:		1000					
Section	n Length:		300m					
Section	on CH	Total Irregularities						
Start	End	≥4mm	≥4mm   ≥7mm   ≥					
986	1000	0	0	0				
3								
-								
				12.				

Surface Condition: Untrafficked

test Southern

Suite D, Gloverside **Burymead Road** 

e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

t: 01462 423 040

Limited is testing & d

Herts, SG5 1RT

Hitchin

Ro	ad Name:		A120					
	Direction:		East					
	Lane:		1					
Whe	eel Track:		Layer:	Surface				
	Start CH:	872						
	End CH:		885					
Sectio	n Length:							
Section	n CH	Tota	al Irregula	rities				
Start	End	≥4mm	≥7mm	≥10mm				
872	1172	1	0	0				
	2 3		S.					

Comments:

Tested in accordance with SHW Clause 702

Extract from Specification of Highway Works. Volume 1, Series 700, Table 7/2 - Maximum Permitted Number of Surface Irregularities

	Surfac	ce course		eway, hai u <mark>lde</mark> r	rd strip and	d hard	Surface	Surface & Binder of lay-bys & service areas. Binder of carriageway, hard strip, hard shoulder						
Limits	4mm		7mm		101	10mm		4mm		nm	10mm			
Section Length(m)	300	75	300	75	300	75	300	75	300	75	300	75		
Category A Road	20	9	2	1	0	0	40	18	4	2	0	0		
Category B Road	40	18	4	2	0	0	60	27	6	3	0	0		

Sections shorter than 300m forming part of a longer pavement shall be assessed using the number of irregularities for a 300m length pro-rata to the nearest whole number.

cell highlighted = Result not compliant with above table

(Senior Operations Manager)

RSE Equipment Ref: E00626

**Approved For Issue** 



Date: 30.10.19

Page 3 of 8



Certificate No: K19\9286\291019\f

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,



Suite D, Gloverside Burymead Road

Hitchin

Herts, SG5 1RT

t: 01462 423 040 e:info@mattestsouth.co.uk

w:www.mattestsouth.co.uk

## Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By: ■

Supplier: Bulls Lodge Asphalt Date Laid: 29.10.19
Road Category: A Surface Condition: Untrafficked

Ro	ad Name:		A120					
	Direction:		East					
	Lane:		1					
Whe	eel Track:	Offside	Layer:	Surface				
	Start CH:		1025	•				
- 1	End CH:		1046					
Section	n Length:		300m					
Section	n CH	Tota	al Irregula	rities				
Start	End	≥4mm	≥10mm					
1025	1046	0	0	0				
				5				
			0	20 20				
		I						

Ro	ad Name:			
	Direction:			
	Lane:		2	(2)
Whe	eel Track:		Layer:	
1	Start CH:			
	End CH:			
Sectio	n Length:		75m	
Section	n CH	Tota	al Irregula	rities
Start	End	≥4mm	≥7mm	≥10mm
				4
£				š
- 6				
- 6				C.
7				12.
				•

Comments:

Tested in accordance with SHW Clause 702

Extract from Specification of Highway Works. Volume 1, Series 700, Table 7/2 - Maximum Permitted Number of Surface Irregularities

	Surfa	ce course		jeway, ha ulder	rd strip and	d hard	Surface		and the state of the state of	& service areas. Binder of d strip, hard shoulder				
Limits	4mm		7mm		10	10mm		4mm		nm	10mm			
Section Length(m)	300	75	300	75	300	75	300	75	300	75	300	75		
Category A Road	20	9	2	1	0	0	40	18	4	2	0	0		
Category B Road	40	18	4	2	0	0	60	27	6	3	0	0		

Sections shorter than 300m forming part of a longer pavement shall be assessed using the number of irregularities for a 300m length pro-rata to the nearest whole number.

Page 4 of 8

cell highlighted = Result not compliant with above table

(Senior Operations Manager)

RSE Equipment Ref: E00626

**Approved For Issue** 



Date: 30.10.19



Certificate No: K19\9286\291019\f

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,

A test Southern Limited materials testing & c

> Suite D, Gloverside **Burymead Road**

Hitchin

Herts, SG5 1RT

t: 01462 423 040

e:info@mattestsouth.co.uk

w:www.mattestsouth.co.uk

Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By:

Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: A Surface Condition: Untrafficked

Ro	ad Name:		A120					
	Direction:	WEST						
	Lane:	1						
Whe	eel Track:	Offside	Layer:	Surface				
-	Start CH:		1046	d.				
	End CH:		1007					
Sectio	n Length:		300m					
Section	n CH	Tota	al Irregula	rities				
Start	End	≥4mm	≥7mm	≥10mm				
1046	1007	0	0	0				
	Î							

Ro	ad Name:		A120						
111	Direction:		WEST						
	Lane:	1							
Whe	eel Track:	Offside	Offside Layer: Surfa						
	Start CH:	961							
	End CH:		945						
Sectio	n Length:		300m						
Section	n CH	Tota	al Irregula	rities					
Start	End	≥4mm	≥7mm	≥10mm					
961	945	1	0	0					
	ir.								
	02.								

Comments:

Tested in accordance with SHW Clause 702

Extract from Specification of Highway Works. Volume 1, Series 700, Table 7/2 - Maximum Permitted Number of Surface Irregularities

	Surface	couRSE		ageway, h ulder	ard strip ar	nd hard	Surface	Surface & Binder of lay-bys & service areas. Binder of carriageway, hard strip, hard shoulder						
Limits	4mm		7mm		10r	10mm		4mm		7mm		O <mark>mm</mark>		
Section Length(m)	300	75	300	75	300	75	300	75	300	75	300	75		
Category A Road	20	9	2	1	0	0	40	18	4	2	0	0		
Category B Road	40	18	4	2	0	0	60	27	6	3	0	0		

Sections shorter than 300m forming part of a longer pavement shall be assessed using the number of irregularities for a 300m length pro-rata to the nearest whole number.

cell highlighted = Result not compliant with above table

(Senior Operations Manager)

RSE2 Equipment Ref: E00626

Approved For Issue



Date: 30.10.19

Page 5 of 8



Certificate No: K19\9286\291019\f

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

t: 01462 423 040

Suite D, Gloverside

**Burymead Road** 

Herts, SG5 1RT

Hitchin

HE PIN 601825 e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

Dear sirs,

Client Ref:

Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By:

Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: A Surface Condition: Untrafficked

ad Name:		A120					
Direction:		West					
Lane:		1					
el Track:	Offside	Layer:	Surface				
Start CH:		868					
End CH:		828					
n Length:		300m					
	Tota	al Irregula	rities				
End	≥4mm	≥7mm	≥10mm				
828	0	0	0				
	Direction: Lane: eel Track: Start CH: End CH: n Length: n CH End	Direction:  Lane:  sel Track: Offside  Start CH:  End CH:  n Length:  n CH  End ≥4mm	Direction: West  Lane: 1  pel Track: Offside Layer: Start CH: 868  End CH: 828  In Length: 300m  In CH Total Irregula  End ≥4mm ≥7mm				

Ro	ad Name:		A120					
1.9	Direction:		West					
	Lane:	1						
Whe	eel Track:	Offside	Layer:	Surface				
	Start CH:		787	•				
	End CH:		706					
Sectio	n Length:		300m					
Section	n CH	Tota	al Irregula	rities				
Start	End	≥4mm	≥7mm	≥10mm				
787	706	0	0	0				
	er.							
	\$*************************************			8				
		i i		3				
	k:							
	0X	1,0						

Comments:

Tested in accordance with SHW Clause 702

Extract from Specification of Highway Works. Volume 1, Series 700, Table 7/2 - Maximum Permitted Number of Surface Irregularities

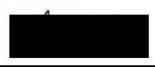
	Surface	e couRSE		ageway, h ulder	ard strip a	nd hard	ard Surface & Binder of lay-bys & service areas. carriageway, hard strip, hard should					Binder of der		
Limits	s 4mm 7mm		10	10mm		4mm		7mm		10mm				
Section Length(m)	300	75	300	75	300	75	300	75	300	75	300	75		
Category A Road	20	9	2	1	0	0	40	18	4	2	0	0		
Category B Road	40	18	4	2	0	0	60	27	6	3	0	0		

Sections shorter than 300m forming part of a longer pavement shall be assessed using the number of irregularities for a 300m length pro-rata to the nearest whole number.

cell highlighted = Result not compliant with above table

RSE2 Equipment Ref: E00626

Approved For Issue



(Senior Operations Manager)

Date: Page 6 of 8

30.10.19



Certificate No: K19\9286\291019\f

To:

Client:

Hanson Contracting Loughborough

Ashby Road East

HE PIN 601825

Shepshed

Loughborough, LE12 9BU

Suite D. Gloverside **Burymead Road** 

test Southern

Hitchin

Herts, SG5 1RT

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w:www.mattestsouth.co.uk

Dear sirs,

Client Ref:

# Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By:

Supplier: Bulls Lodge Asphalt Date Laid: 29.10.19 Road Category: A Surface Condition: Untrafficked

Ro	ad Name:		A120	
	Direction:	West		
	Lane:		1	
Whe	eel Track:	Offside	Layer:	Surface
	Start CH:		530	1
	End CH:		490	
Section	n Length:		300m	
Section	n CH	Tota	al Irregula	rities
Start	End	≥4mm	≥7mm	≥10mm
530	490	1	0	0
	i			
			-	
				,

Ro	ad Name:		A120	
1 1	Direction:	West		
	Lane:		1	
Whe	eel Track:	Offside	Layer:	Surface
	Start CH:	×	421	20
	End CH:		388	
Sectio	n Length:		300m	
Section	n CH	Tota	al Irregula	rities
Start	End	≥4mm	≥7mm	≥10mm
421	388	0	0	0
				is.
	0.X			

Comments:

Tested in accordance with SHW Clause 702

Extract from Specification of Highway Works. Volume 1, Series 700, Table 7/2 - Maximum Permitted Number of Surface Irregularities

	Surface	e couRSE	ouRSE2 of carriageway, hard strip and hard shoulder				Surface & Binder of lay-bys & service areas. Binder carriageway, hard strip, hard shoulder			Binder of		
Limits	4n	nm	7r	nm	10	mm	4m	nm	7n	nm	-1	Omm
Section Length(m)	300	75	300	75	300	75	300	75	300	75	300	75
Category A Road	20	9	2	1	0	0	40	18	4	2	0	0
Category B Road	40	18	4	2	0	0	60	27	6	3	0	0

Sections shorter than 300m forming part of a longer pavement shall be assessed using the number of irregularities for a 300m length pro-rata to the nearest whole number.

cell highlighted = Result not compliant with above table

RSE2 Equipment Ref: E00626

Approved For Issue



(Senior Operations Manager)

Date: Page 7 of 8

30.10.19



SITE TEST CERTIFICATE

K19\9286\291019\f Certificate No:

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Suite D, Gloverside **Burymead Road** 

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t: 01462 423 040 e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

Dear sirs.

## Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By:

Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: A Surface Condition: Untrafficked

Ro	ad Name:		A120	
	Direction:	West		
	Lane:		1	
Whe	el Track:	Offside	Layer:	Surface
	Start CH:		358	
	End CH:		298	
Sectio	n Length:		300m	
Section		Tota	al Irregula	rities
Start	End	≥4mm	≥7mm	≥10mm
358	298	1	0	0
			-	
	5 5			
			:	
-	D 60		-	1
				1

Ro	ad Name:			
11	Direction:			
	Lane:			
Whe	eel Track:		Layer:	
	Start CH:			34
	End CH:			
Section	n Length:			
Section	n CH	Tota	al Irregula	rities
Start	End	≥4mm	≥7mm	≥10mm

Comments:

Tested in accordance with SHW Clause 702

Extract from Specification of Highway Works. Volume 1, Series 700, Table 7/2 - Maximum Permitted Number of Surface Irregularities

***	e couRSE		ngeway, ha ulder	ard strip ar	nd hard	Surface		of lay-bys eway, hard		areas. d shoulde	Binder of	
Limits	4m	nm	7n	nm	101	mm	4m	ım	7n	nm	1	0mm
Section Length(m)	300	75	300	75	300	75	300	75	300	75	300	75
Category A Road	20	9	2	1	0	0	40	18	4	2	0	0
Category B Road	40	18	4	2	0	0	60	27	6	3	0	0

Sections shorter than 300m forming part of a longer pavement shall be assessed using the number of irregularities for a 300m length pro-rata to the nearest whole number.

cell highlighted = Result not compliant with above table

RSE2 Equipment Ref: E00626

Approved For Issue



30.10.19 Date:

Page 8 of 8



(Senior Operations Manager)

Certificate No: K19\9286\291019\e

To:

Dear sirs,

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By:

Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: A Surface Condition: Untrafficked

Ros	ad Name:		A120			
1	Direction:		East			
	Lane:	1				
Whe	el Track:	Offside	Layer:	Surface		
	Start CH:		143			
	End CH:		163			
Recorded	Meas	ured Irreg	ularity			
CH	≥4mm	≥7mm	≥10mm	Commen		
149	6					
	-					

Roa	Road Name:		A120		
[	Direction:		East		
	Lane:	1			
Wheel Track:		Offside	Layer:	Surface	
	Start CH:		270		
	End CH:		289		
Recorded	Meas	ured Irreg	ularity		
CH	≥4mm	≥7mm	≥10mm	Comment	
1000000		No Rings			

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t: 01462 423 040

Burymead Road

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Hitchin

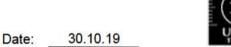
Comments:

Tested in accordance with SHW Clause 702 JT = Joint; MH = Manhole; GU = Gully

RSE Equipment Ref: E00626

Approved For Issue







Certificate No: K19\9286\291019\e

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,



Suite D, Gloverside Burymead Road

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# Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH

Tested By: Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: Surface Condition: Untrafficked

Road Name:			A120	
1	Direction:		East	
	Lane:	1		
Whe	el Track:	Offside	Layer:	
	Start CH:		540	
	End CH:		590	
Recorded	Meas	ured Irreg	ularity	
CH	≥4mm	≥7mm	≥10mm	Comment
543	5			
550	4			
_				
_		2		

Roa	d Name:		A120	
1	Direction:		East	
	Lane:	1		
Whe	el Track:	Offside	Layer:	Surface
	Start CH:		710	
	End CH:		728	
Recorded	Meas	ured Irreg		
CH	≥4mm	≥7mm	≥10mm	Commen
714	5			
		<del>                                     </del>		

Comments:

Tested in accordance with SHW Clause 702 JT = Joint; MH = Manhole; GU = Gully

RSE Equipment Ref:

Approved For Issue



Date: 30.10.19

Page 2 of 8



Certificate No: K19\9286\291019\e

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,



Suite D, Gloverside Burymead Road

Hitchin

Herts, SG5 1RT

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# Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH

Tested By: Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: Surface Condition: Untrafficked

Ros	ad Name:	A120				
-	Direction:		East			
	Lane:		1			
Whe	el Track:	Offside	Layer:	Surface		
	Start CH:		872			
	End CH:		885			
Recorded	Meas	ured Irreg	ularity			
CH	≥4mm	≥7mm	≥10mm	Commen		
879	4					
	-					
		-				

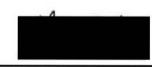
Ros	ad Name:		A120	
I	Direction:		East	
	Lane:	1		
Whe	el Track:	Offside	Layer:	Surface
	Start CH:		986	
	End CH:		1000	
Recorded	Meas	ured Irreg	ularity	
CH	≥4mm	≥7mm	≥10mm	Commen
		No Rings		
	-			

Comments:

Tested in accordance with SHW Clause 702 JT = Joint; MH = Manhole; GU = Gully

RSE Equipment Ref:

Approved For Issue



Date: 30.10.19

Page 3 of 8



Certificate No: K19\9286\291019\e

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,



Suite D, Gloverside Burymead Road

Hitchin

Herts, SG5 1RT

t: 01462 423 040 e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

# Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH

Tested By: Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: Surface Condition: Untrafficked

Road Name:			A120	
[	Direction:	East		
Lane:			1	165
Wheel Track:		Offside	Layer:	Surface
	Start CH:		1025	
	End CH:		1046	
Recorded	Meas	ured Irreg	ularity	
CH	≥4mm	≥7mm	≥10mm	Commen
		No Rings		
-				
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-			_	
		J—		

1100	ad Humo.			
Direction:				
	Lane:			
Wheel Track:			Layer:	
Start CH:				
	End CH:			
Recorded		ured Irreg	ularity	
CH	≥4mm	≥7mm		Commen
				-
			g	

Road Name:

Comments:

Tested in accordance with SHW Clause 702

JT = Joint; MH = Manhole; GU = Gully

RSE Equipment Ref:

Approved For Issue



Date: 30.10.19

Page 4 of 8



Certificate No: K19\9286\291019\e

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,



Suite D, Gloverside **Burymead Road** 

Hitchin

A120

Herts, SG5 1RT

t: 01462 423 040 e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By:

Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt

Road Category: A Surface Condition: Untrafficked

Road Name:			A120	7.5	
1	Direction:		West		
Lane:			1		
	el Track:	Offside		Surface	
	Start CH:		1046		
	End CH:		1007	35	
Recorded		ured Irreg			
CH	≥4mm		F-10-2-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-	Comment	
		No Rings			
	2 - 2		32		
2					
	ļ				
			£9		
3	5				
	-				
				· · · · · · · · · · · · · · · · · · ·	

Roau Name.		A120		
Direction:		West		
	Lane:	1		
Whe	el Track:	Offside	Layer:	Surface
Start CH:			961	
	End CH:		945	
Recorded	Meas	ured Irreg	ularity	
CH	≥4mm	≥7mm	≥10mm	Comment
948	6			
				×
9				
				a
				9
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				9
- 1	-			
9	-			
12				
.5				9
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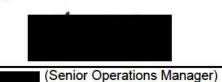
Road Name:

Comments:

Tested in accordance with SHW Clause 702 JT = Joint; MH = Manhole; GU = Gully

RSE2 Equipment Ref: E00626

Approved For Issue



Date: 30.10.19

Page 5 of 8



Certificate No: K19\9286\291019\e

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,



Suite D, Gloverside Burymead Road

Hitchin

A120

Herts, SG5 1RT

t: 01462 423 040

e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

# Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By: ■

Supplier: Bulls Lodge Asphalt Date Laid: 00.01.00

Road Category: Surface Condition: Untrafficked

Road Name: Direction:		A120		
			West	
	Lane:	1		
Wheel Track: Start CH:		Offside	Layer:	Surface
			868	
	End CH:		828	
Recorded	Meas	ured Irreg	ularity	
CH	≥4mm	≥7mm	≥10mm	Commen
		No Rings		
	7			
			;	
	1		85	
			2	
			£	
	-			
	-			
	-			
			No.	

200				
Direction:		West		
	Lane:		1	
Whe	el Track:	Offside	Layer:	Surface
2.	Start CH:		787	
End CH:			706	
Recorded	Meas	ured Irreg	ularity	
CH	≥4mm	≥7mm	≥10mm	Comment
		No Rings		
33				i.
9				
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9				5
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- 2				2
				6

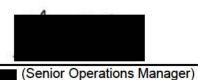
Road Name:

Comments:

Tested in accordance with SHW Clause 702 JT = Joint; MH = Manhole; GU = Gully

RSE2 Equipment Ref: E00626

Approved For Issue



Date: 30.10.19

Page 6 of 8



Certificate No: K19\9286\291019\e

To:

Dear sirs,

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH

Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: Surface Condition: Untrafficked

Road Name: Direction:		A120			
			West		
Lane:			1		
Wheel Track:		Offside	Layer:	Surface	
	Start CH:		530		
	End CH:		490		
Recorded	Meas	ured Irreg	ularity		
CH	≥4mm	≥7mm	≥10mm	Commen	
542	6				
			5		
			2		
			ē		
			ļ:		

Noau Name.		VANCOUS CONTRACTOR		
Direction:		West		
	Lane:		1	
Whe	el Track:	Offside	Layer:	Surface
	Start CH:		421	
	End CH:		388	
Recorded	Meas	ured Irreg	ularity	
CH	≥4mm	≥7mm	≥10mm	Comment
		No Rings		
				9
0				
				3
				8
-				×.
				÷ .
				0

Tested By:

Road Name:

Suite D, Gloverside

t: 01462 423 040

Burymead Road

Herts, SG5 1RT

e:info@mattestsouth.co.uk w:www.mattestsouth.co.uk

Hitchin

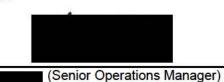
A120

Comments:

Tested in accordance with SHW Clause 702 JT = Joint; MH = Manhole; GU = Gully

RSE2 Equipment Ref: E00626

Approved For Issue



Date: 30.10.19

Page 7 of 8



Certificate No: K19\9286\291019\e

To:

Client: Hanson Contracting Loughborough

Ashby Road East

Shepshed

Loughborough, LE12 9BU

Client Ref: HE PIN 601825

Dear sirs,



Suite D, Gloverside Burymead Road

Hitchin

Herts, SG5 1RT

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# Measurement of Longitudinal Surface Irregularities Rolling Straight Edge - SHW 702

Project: A120 Horsley Xrbt - Wix Date Tested: 29.10.19

Material: DURAFALT 10 SURF 40/60 PSV68 PHH Tested By:

Date Laid: 29.10.19 Supplier: Bulls Lodge Asphalt Road Category: Surface Condition: Untrafficked

Road Name:		A120			
Direction:			West		
Lane:			1		
Wheel Track:		Offside	Layer:	Surface	
Start CH:		358			
End CH:		298			
Recorded	Meas	ured Irreg	ularity		
CH	≥4mm	≥7mm	≥10mm	Comment	
300	5		15		

Luiio.			0.0	
Wheel Track:		Offside	Layer:	Surface
	Start CH:	358		
End CH:				
Recorded	Meas	sured Irregularity		
CH	≥4mm	≥7mm	≥10mm	Commen
300	5			
	8		5	
*			ļ .	
	*			
<u> </u>				
	-			
		I	L.	1

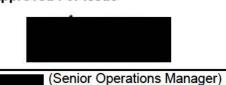
	ad Name:			
1	Direction:			
	Lane:			
Wheel Track:			Layer:	
2.	Start CH:			
	End CH:			
Recorded		ured Irreg		
CH	≥ <mark>4mm</mark>	≥7mm	≥10mm	Comment
				OC .
9				
				4.
				9.
				9
4				
				2
				2
				9
				i i
				2
				o.

Comments:

Tested in accordance with SHW Clause 702 JT = Joint; MH = Manhole; GU = Gully

RSE2 Equipment Ref: E00626

Approved For Issue



Date: 30.10.19

Page 8 of 8

