Thameside Test & Research Limited

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Client:



Determination of Scuffing Resistance

Report Number:

T16/406S

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Lab. Scheme Number: 2287

BBA Identification \$159487

Installer: Leeson Polyurethanes BBA Sample No n/a

Product for test: PU4844/60 Part A and B Trent Pea 3mm Resin Bound Surfacing

Binder type: Polyurethane Batch No. Binder: Part A PU4844/60

Part B PU4844/60

Aggregate type: Trent Pea 3mm Batch No. n/a

Date of application n/a Date received 18-Oct-16

Location of Installation: Leeson Polyurethanes

BBA

Laboratory tests	Result	Requirement	
Initial Properties			
Mean texture depth (mm)	0.75		Information only
Mean skid resistance value - Slider 57	49		Information only
Mean skid resistance value - Slider 96	52		Information only
Properties after Scuffing			
Mean texture depth (mm)	0.69		Information only
Mean loss in texture depth %	8.0		
Mean skid resistance value - Slider 57	48		Information only
Mean skid resistance value - Slider 96	52		Information only
Erosion Index	0.0		

Tested in accordance with TRL 176, as amended by BBA " Guidelines Document for the Assessment and Certification of High Friction Surfaces for Highways" March 2015

Remarks

Specimens had been applied to medium density fibre board, 25mm thick

Distribution:

BBA Authorised By:

PO Box 195 Approved Signatory

Bucknalls Lane PG Shrubsole () Principal Materials Engineer

Garston

Watford

Herts, WD2 7NG Date: 03-Jan-17

FAO Julian Pettifer

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Test Method: Determination of scuffing, TRL 176 Appendix G

as amended by BBA " Guidelines Document for the Assessment and Certification of High Friction Surfaces for Highways" March 2008

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Specimen Number		406S
Identification of slab		1
SRV before Scuffing (slder 57)		46
SRV before Scuffing (slder 96)		47
Date of test		25/10/2016
Time of test		09:50
Test Temperature (°C)		44.9
Tyre Pressure	Initial	3.1
(Bar)	Final	3.1
Tyre tread depth	Initial	1.3
(mm)	Final	1.3
Angle of Tyre to		20°00'
direction of travel		
SRV after Scuffing (slder 57)		48
SRV after Scuffing (slder 96)		47
Surface texture depth (mm)	Initial	0.68
	Final	0.62
Loss of texture depth (%)		8.8
Erosion Index		0.0
		1

After 500 wheel passes at 45°C



Description of visual condition

No faults or anomalies were observed

Test Method: Determination of scuffing, TRL 176 Appendix G

as amended by BBA " Guidelines Document for the Assessment and Certification of High Friction Surfaces for Highways" March 2008

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Specimen Number		406S
Identification of slab		2
SRV before Scuffing (slder 57)		50
SRV before Scuffing (slder 96)		55
Date of test		25/10/2016
Time of test		14:40
Test Temperature (°C)		44.7
Tyre Pressure	Initial	3.1
(Bar)	Final	3.1
Tyre tread depth	Initial	1.3
(mm)	Final	1.2
Angle of Tyre to		20°00'
direction of travel		
SRV after Scuffing (slder 57)		48
SRV after Scuffing (slder 96)		55
Surface texture depth (mm)	Initial	0.80
	Final	0.77
Loss of texture depth (%)		3.8
Erosion Index		0.0

After 500 wheel passes at 45°C



Description of visual condition

No faults or anomalies were observed

Test Method: Determination of scuffing, TRL 176 Appendix G

as amended by BBA " Guidelines Document for the Assessment and Certification of High Friction Surfaces for Highways" March 2008

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Specimen Number		406S
Identification of slab		3
SRV before Scuffing (slder 57)		51
SRV before Scuffing (slder 96)		54
Date of test		25/10/2016
Time of test		14:55
Test Temperature (°C)		45.0
Tyre Pressure	Initial	3.1
(Bar)	Final	3.1
Tyre tread depth	Initial	1.2
(mm)	Final	1.2
Angle of Tyre to direction of travel		20°00'
SRV after Scuffing (slder 57)		49
SRV after Scuffing (slder 96)		54
Surface texture depth (mm)	Initial	0.8
	Final	0.7
Loss of texture depth (%)		11.5
Erosion Index		0.0

After 500 wheel passes at 45°C



Description of visual condition

No faults or anomalies were observed