Thameside Test & Research Limited

Unit C2, Lomer Farm, Wrotham Road, Meopham, Kent DA13 0AN

Tel: 01474 814466 Fax: 01474 814799



Determination of Scuffing Resistance Report Number:

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Lab. Scheme Number: 2287

Client: **BBA BBA Identification** S159487

Installer: **Leeson Polyurethanes BBA Sample No** n/a

Product for test: PU4844/60 Part A and B Autumn Gold 5mm Resin Bound Surfacing

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

Part B PU4844/60

T16/405S

Aggregate type: **Autumn Gold 5mm** Batch No. n/a

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

Location of Installation: **Leeson Polyurethanes**

Laboratory tests	Result	Requirement	
Initial Properties			
Mean texture depth (mm)	1.48		Information only
Mean skid resistance value - Slider 57	50		Information only
Mean skid resistance value - Slider 96	53		Information only
Properties after Scuffing			
Mean texture depth (mm)	1.38		Information only
Mean loss in texture depth %	7.0		
Mean skid resistance value - Slider 57	56		Information only
Mean skid resistance value - Slider 96	55		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

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

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		405S
Identification of slab		1
SRV before Scuffing (slder 57)		54
SRV before Scuffing (slder 96)		56
Date of test		25/10/2016
Time of test		15:45
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		20°00'
direction of travel		
SRV after Scuffing (slder 57)		67
SRV after Scuffing (slder 96)		58
Surface texture depth (mm)	Initial	1.70
	Final	1.55
Loss of texture depth (%)		8.8
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		405S
Identification of slab		2
SRV before Scuffing (slder 57)		50
SRV before Scuffing (slder 96)		53
Date of test		25/10/2016
Time of test		15:25
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		20°00'
direction of travel		
SRV after Scuffing (slder 57)		50
SRV after Scuffing (slder 96)		53
Surface texture depth (mm)	Initial	1.43
	Final	1.31
Loss of texture depth (%)		8.4
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		405S
Identification of slab		3
SRV before Scuffing (slder 57)		47
SRV before Scuffing (slder 96)		50
Date of test		25/10/2016
Time of test		15:10
Test Temperature (°C)		44.8
Tyre Pressure	Initial	3.1
(Bar)	Final	3.1
Tyre tread depth	Initial	1.2
(mm)	Final	1.2
Angle of Tyre to		20°00'
SRV after Scuffing (slder 57)		52
SRV after Scuffing (slder 96)		53
Surface	Initial	1.3
texture depth (mm)	Final	1.3
Loss of texture depth (%)		3.0
Erosion Index		0.0

After 500 wheel passes at 45°C



Description of visual condition

No faults or anomalies were observed