Thameside Test & Research Limited
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Thameside Test & Research Ltd

Determination of Scuffing Resistance

Report Number: T16/405S

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

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
PO Box 195
Bucknalls Lane
Garston
Watford
Herts, WD2 7NG
FAO Julian Pettifer

Authorised By:
Approved Signatory
PG Shrubsole ( ) Principal Materials Engineer

Date: 03-Jan-17

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

Report No **T16/405S**

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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 (ºC)		**45.0**
Tyre Pressure (Bar)	Initial	**3.1**
	Final	**3.1**
Tyre tread depth (mm)	Initial	**1.2**
	Final	**1.2**
Angle of Tyre to direction of travel		**20º00'**
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 45ºC

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

Report No **T16/405S**

Thameside Test & Research Ltd

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 (ºC)		**45.0**
Tyre Pressure (Bar)	Initial	**3.1**
	Final	**3.1**
Tyre tread depth (mm)	Initial	**1.2**
	Final	**1.2**
Angle of Tyre to direction of travel		**20º00'**
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 45ºC

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

Report No **T16/405S**

Thameside Test & Research Ltd

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 (ºC)		**44.8**
Tyre Pressure (Bar)	Initial	**3.1**
	Final	**3.1**
Tyre tread depth (mm)	Initial	**1.2**
	Final	**1.2**
Angle of Tyre to direction of travel		**20º00'**
SRV after Scuffing (slder 57)		**52**
SRV after Scuffing (slder 96)		**53**
Surface texture depth (mm)	Initial	1.3
	Final	1.3
Loss of texture depth (%)		**3.0**
Erosion Index		**0.0**

After 500 wheel passes at 45ºC

Description of visual condition	**No faults or anomalies were observed**