

Determination of Scuffing Resistance

Report Number: **T16/406S**

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Client: **BBA** Lab. Scheme Number: **2287**
 BBA Identification: **S159487**
 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**

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:

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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

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**Thameside
Test & Research Ltd**

Specimen Number	406S	
Identification of slab	1	
SRV before Scuffing (slider 57)	46	
SRV before Scuffing (slider 96)	47	
Date of test	25/10/2016	
Time of test	09:50	
Test Temperature (°C)	44.9	
Tyre Pressure (Bar)	Initial	3.1
	Final	3.1
Tyre tread depth (mm)	Initial	1.3
	Final	1.3
Angle of Tyre to direction of travel	20°00'	
SRV after Scuffing (slider 57)	48	
SRV after Scuffing (slider 96)	47	
Surface texture depth (mm)	Initial	0.68
	Final	0.62
Loss of texture depth (%)	8.8	
Erosion Index	0.0	
Description of visual condition	No faults or anomalies were observed	

After 500 wheel passes at 45°C



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Thameside
Test & Research Ltd

Specimen Number	406S	
Identification of slab	2	
SRV before Scuffing (slider 57)	50	
SRV before Scuffing (slider 96)	55	
Date of test	25/10/2016	
Time of test	14:40	
Test Temperature (°C)	44.7	
Tyre Pressure (Bar)	Initial	3.1
	Final	3.1
Tyre tread depth (mm)	Initial	1.3
	Final	1.2
Angle of Tyre to direction of travel	20°00'	
SRV after Scuffing (slider 57)	48	
SRV after Scuffing (slider 96)	55	
Surface texture depth (mm)	Initial	0.80
	Final	0.77
Loss of texture depth (%)	3.8	
Erosion Index	0.0	
Description of visual condition	No faults or anomalies were observed	

After 500 wheel passes at 45°C



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Thameside
Test & Research Ltd

Specimen Number	406S	
Identification of slab	3	
SRV before Scuffing (slider 57)	51	
SRV before Scuffing (slider 96)	54	
Date of test	25/10/2016	
Time of test	14:55	
Test Temperature (°C)	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	20°00'	
SRV after Scuffing (slider 57)	49	
SRV after Scuffing (slider 96)	54	
Surface texture depth (mm)	Initial	0.8
	Final	0.7
Loss of texture depth (%)	11.5	
Erosion Index	0.0	
Description of visual condition	No faults or anomalies were observed	

After 500 wheel passes at 45°C

