



**Feabrik bv**  
**Terheijdenstraat 3C**  
**4811 AW BREDA**  
**Netherlands**

**Your notice of**  
 29-06-2023

**Your reference**  
 awb207264829

**Date**  
 08-08-2023

## Analysis Report 23.03617.03

Required tests :

**ISO 105-X12 (2016)**  
**ISO 105-B02 (2014)**

**Determination of the colour fastness to rubbing**  
**Determination of the colour fastness to light**

Sample id	Information given by the client	Date of receipt
T2315373	RUMOR 931	29-06-2023
T2315374	RUMOR 141	29-06-2023
T2315375	RUMOR 221	29-06-2023
T2315376	RUMOR 761	29-06-2023
T2315377	RUMOR 751	29-06-2023
T2315378	RUMOR 671	29-06-2023
T2315379	RUMOR 681	29-06-2023
T2315380	RUMOR 561	29-06-2023
T2317712	RUMOR 741	28-07-2023



**Elke Van De Walle**  
 Order responsible

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 The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.  
 In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.



**Reference: T2315373 - RUMOR 931**

**Determination of the colour fastness to rubbing**

Date of ending the test 27-07-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4-5	4-5

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.



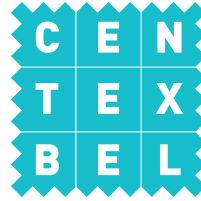
**Reference: T2315373 - RUMOR 931**

**Determination of the colour fastness to light**

Date of ending the test	24-07-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6-7
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**Reference: T2315374 - RUMOR 141**

**Determination of the colour fastness to rubbing**

Date of ending the test 27-07-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4-5	4-5

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.



**Reference: T2315374 - RUMOR 141**

**Determination of the colour fastness to light**

Date of ending the test	24-07-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6-7
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**Reference: T2315375 - RUMOR 221**

**Determination of the colour fastness to rubbing**

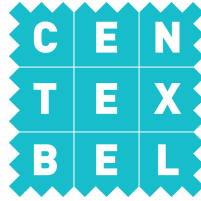
Date of ending the test 27-07-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4-5	4-5

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.



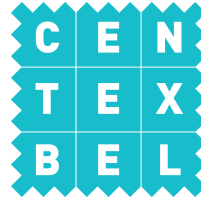
**Reference: T2315375 - RUMOR 221**

**Determination of the colour fastness to light**

Date of ending the test	24-07-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6-7
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**Reference: T2315376 - RUMOR 761**

**Determination of the colour fastness to rubbing**

Date of ending the test 27-07-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

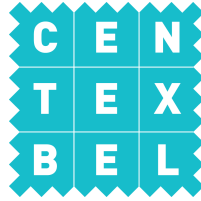
**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4-5	4-5

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.





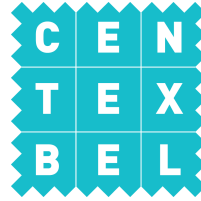
**Reference: T2315376 - RUMOR 761**

**Determination of the colour fastness to light**

Date of ending the test	24-07-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6-7
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**Reference: T2315377 - RUMOR 751**

**Determination of the colour fastness to rubbing**

Date of ending the test 27-07-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4-5	4-5

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.



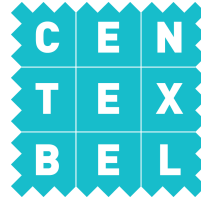
**Reference: T2315377 - RUMOR 751**

**Determination of the colour fastness to light**

Date of ending the test	24-07-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6-7
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**Reference: T2315378 - RUMOR 671**

**Determination of the colour fastness to rubbing**

Date of ending the test 27-07-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4	4

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.



**Reference: T2315378 - RUMOR 671**

**Determination of the colour fastness to light**

Date of ending the test	24-07-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6-7
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**Reference: T2315379 - RUMOR 681**

**Determination of the colour fastness to rubbing**

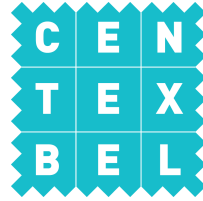
Date of ending the test 27-07-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4	4

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.



**Reference: T2315379 - RUMOR 681**

**Determination of the colour fastness to light**

Date of ending the test	24-07-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6
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**Reference: T2315380 - RUMOR 561**

**Determination of the colour fastness to rubbing**

Date of ending the test 27-07-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

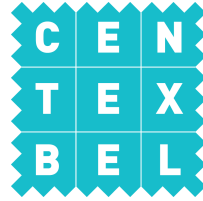
**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4-5	4-5

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.





**Reference: T2315380 - RUMOR 561**

**Determination of the colour fastness to light**

Date of ending the test	24-07-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6-7
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**Reference: T2317712 - RUMOR 741**

**Determination of the colour fastness to rubbing**

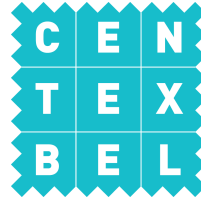
Date of ending the test 08-08-2023  
 Standard used ISO 105-X12 (2016)  
 Deviation from the standard -  
 Conditioning 20°C, relative humidity 65%  
 Apparatus Crockmeter  
 Applied finger Ø 16 mm  
 Pressure on test specimen 9 N  
 Number of cycles 10

**Numerical rating**

	Wales direction	Course direction
Dry	4-5	4-5
Wet	4-5	4-5

Grading against grey scale for change in colour (ISO 105 A02) and/or staining (ISO 105 A03):

Use of a 9 point scale from 5 to 1; where 5 is excellent and 1 is poor. Intermediate values like 2-3 are possible.



**Reference: T2317712 - RUMOR 741**

**Determination of the colour fastness to light**

Date of ending the test	08-08-2023
Standard used	ISO 105-B02 (2014)
Deviation from the standard	-
Method	1
Apparatus	Xenotest 220 Atlas
Exposure	Constant
Irradiance	42 W/m <sup>2</sup> @ 300-400 nm
Black standard temperature	47±3°C
Effective humidity	±40%

Assessment according the blue scale standard

Numerical rating	6
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