



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

**Your notice of**  
 02-07-2024

**Your reference**

**Date**  
 15-10-2024

## Analysis Report 24.03669.03

### Modification

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 | Updated information given by the client | Date of receipt |
|-----------|---|-----------------|
| T2413820  | MYLLA 221 / MYR222                      | 02-07-2024      |
| T2413821  | MYLLA 931 / MYR 932                     | 02-07-2024      |
| T2418452  | MYLLA 181                               | 19-09-2024      |
| T2418453  | MYLLA 211                               | 19-09-2024      |
| T2418454  | MYLLA 251                               | 19-09-2024      |
| T2418455  | MYLLA 361 / MYR 362                     | 19-09-2024      |
| T2418456  | MYLLA 741 / MYR 742                     | 19-09-2024      |
| T2418457  | MYLLA 811                               | 19-09-2024      |
| T2418458  | MYLLA 851                               | 19-09-2024      |
| T2418459  | MYLLA 971 / MYR 972                     | 19-09-2024      |



Elke Van De Walle  
 Order responsible

This report may be reproduced, as long as it is presented in its entire form, without written permission of Centexbel.  
 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.

## Samples

T2413820  
 MYLLA 221 / MYR222



T2413821  
 MYLLA 931 / MYR 932



T2418452  
 MYLLA 181



T2418453  
 MYLLA 211

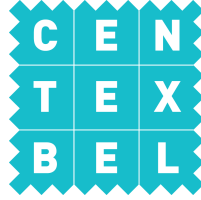


T2418454  
 MYLLA 251



T2418455  
 MYLLA 361 / MYR 362





T2418456  
 MYLLA 741 / MYR 742



T2418457  
 MYLLA 811



T2418458  
 MYLLA 851





T2418459  
 MYLLA 971 / MYR 972





**Reference: T2413820 - MYLLA 221 / MYR222**

**Determination of the colour fastness to rubbing**

Date of ending the test 16-07-2024  
 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: T2413820 - MYLLA 221 / MYR222**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 16-07-2024                       |
| 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 |
|------------------|-----|



**Reference: T2413821 - MYLLA 931 / MYR 932**

**Determination of the colour fastness to rubbing**

Date of ending the test 16-07-2024  
 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: T2413821 - MYLLA 931 / MYR 932**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 16-07-2024                       |
| 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 | 7 |
|------------------|---|



**Reference: T2418452 - MYLLA 181**

**Determination of the colour fastness to rubbing**

Date of ending the test 01-10-2024  
 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: T2418452 - MYLLA 181**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 10-10-2024                       |
| 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 |
|------------------|-----|



**Reference: T2418453 - MYLLA 211**

**Determination of the colour fastness to rubbing**

Date of ending the test 01-10-2024  
 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: T2418453 - MYLLA 211**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 10-10-2024                       |
| 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 | 7 |
|------------------|---|



**Reference: T2418454 - MYLLA 251**

**Determination of the colour fastness to rubbing**

Date of ending the test 01-10-2024  
 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: T2418454 - MYLLA 251**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 10-10-2024                       |
| 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 |
|------------------|---|



**Reference: T2418455 - MYLLA 361 / MYR 362**

**Determination of the colour fastness to rubbing**

Date of ending the test 01-10-2024  
 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: T2418455 - MYLLA 361 / MYR 362**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 10-10-2024                       |
| 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 | ≥ 7 |
|------------------|-----|



**Reference: T2418456 - MYLLA 741 / MYR 742**

**Determination of the colour fastness to rubbing**

Date of ending the test 01-10-2024  
 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: T2418456 - MYLLA 741 / MYR 742**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 10-10-2024                       |
| 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 |
|------------------|-----|



**Reference: T2418457 - MYLLA 811**

**Determination of the colour fastness to rubbing**

Date of ending the test 01-10-2024  
 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: T2418457 - MYLLA 811**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 10-10-2024                       |
| 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 | 7 |
|------------------|---|



**Reference: T2418458 - MYLLA 851**

**Determination of the colour fastness to rubbing**

Date of ending the test 01-10-2024  
 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: T2418458 - MYLLA 851**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 10-10-2024                       |
| 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 | 7 |
|------------------|---|



**Reference: T2418459 - MYLLA 971 / MYR 972**

**Determination of the colour fastness to rubbing**

Date of ending the test 01-10-2024  
 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: T2418459 - MYLLA 971 / MYR 972**

**Determination of the colour fastness to light**

|                             |                                  |
|-----------------------------|----------------------------------|
| Date of ending the test     | 10-10-2024                       |
| 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 | 7 |
|------------------|---|