

**PRZEDSIĘBIORSTWO USŁUGOWO REMONTOWE**  
**REMODEX**  
**ZAKŁAD BADAŃ I WDROŻEŃ PRZEMYSŁU MEBLARSKIEGO**  
Spółka z o.o.

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SIGN: BW/PB/88/2025

DATE: 2025-05-28

Order from: 2025-04-08

## TEST REPORT

### Determination of the abrasion resistance of fabric by Martindale method

- CLIENT

STEMA P.S.A.  
ul. Towarowa 22A  
58-100 ŚWIDNICA

1. Name and type of article -

**Fabric FK**

2. Type of test

- **resistance to abrasion by Martindale method**

- loading – nominal pressure 12 kPa  
- translational movement along Lissajous tracks

- inspection intervals after 1000, 2000, 5000 and 10000 cycles

- the number cycles: average – **110.000**  
(after 120 000 cycles fabric abrasion)

- **resistance to pilling**

(modified Martindale's method)  
- loading – 260 g,  
- translational movement along Lissajous tracks

- after 2000 cycles – degree of change 5  
**(no changes)**

- after 5000 cycles – degree of change 5  
**(no changes)**

3. This article was tested in accordance with the test procedures described in:

**PN-EN ISO 12947-2:2017**  
**PN-EN ISO 12945-2:2021**  
for conformity with PN-EN 14465:2005/A1:2007, annex A

#### TEST RESULTS:

#### POSITIVE

**Article fulfill the requirements PN-EN 14465:2005/A1:2007, annex A. at the level category A**

**Attention:** The test sample was acclimated according to PN-EN ISO 139:2006/A1:2012

Test operator

.....  
/M Sc. (Eng.) Piotr Błaszczak/

PREZES ZARZĄDU

.....  
mgr inż. Piotr Błaszczak

TEST REPORT contain 1 page

The test results are only valid for the article tested.

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Order from: 2025-04-08

## TEST REPORT

### Determination of the abrasion resistance of fabric by Martindale method

- CLIENT

STEMA P.S.A.  
ul. Towarowa 22A  
58-100 ŚWIDNICA

1. Name and type of article -

Fabric MK

2. Type of test

- resistance to abrasion by Martindale method

- loading – nominal pressure 12 kPa  
- translational movement along Lissajous tracks

- inspection intervals after 1000, 2000, 5000 and 10000 cycles

- the number cycles: average **40.000**  
(after 50 000 cycles fabric abrasion )

- resistance to pilling

(modified Martindale's method)

- loading – 260 g,  
- translational movement along Lissajous tracks

- after 2000 cycles – degree of change **5**  
**(no changes)**

- after 5000 cycles – degree of change **5**  
**(no changes)**

3. This article was tested in accordance with the test procedures described in:

PN-EN ISO 12947-2:2017

PN-EN ISO 12945-2:2021

for conformity with PN-EN 14465:2005/A1:2007, annex A

#### TEST RESULTS:

#### POSITIVE

Article fulfill the requirements PN-EN 14465:2005/A1:2007, annex A. at the level category A

**Attention:** The test sample was acclimated according to PN-EN ISO 139:2006/A1:2012

Test operator

.....  
/M Sc. (Eng.) Piotr Błaszczak/

PREZES ZARZĄDU

.....  
mgr inż. Piotr Błaszczak

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