



Deutsche  
Akkreditierungsstelle  
D-PL-11027-04-00

Abt. Brandschutz - Brandverhalten von Baustoffen / *Reaction to Fire*

Kenn-Nr. / *Ident-No.* 0672

## **KLASSIFIZIERUNGSBERICHT CLASSIFICATION REPORT**

903 1777 000-80

**Auftraggeber:** Textiles Coated Europe GmbH  
**Sponsor (owner):** Außerirlach 4  
94505 Bernried

**Betreff:** **Klassifizierung des Brandverhaltens nach DIN EN 13 501-1**  
**Ref.:** **fire classification acc. to EN 13 501-1**

**Prüfmaterial:** transparente oder bedruckte ETFE-Folie  
„TCI REVEAL ETFE Film“  
**Test material:** *transparent or printed ETFE-foil*  
“TCI REVEAL ETFE Film”

**Berichtsdatum:** 01. Dezember 2016  
**Date of issuing:** 01. December 2016

**Hinweis:** Der Klassifizierungsbericht wurde zweisprachig  
(deutsch/ englisch) erstellt. In Zweifelsfällen ist der  
deutsche Wortlaut maßgeblich.  
**Warning:** *The classification report is issued bilingual (German  
and English). In cases of doubt, the German wording is valid.*



Dieser Klassifizierungsbericht umfasst 6 Textseiten und 1 Beilage. Textseiten und Beilagen sind mit unserem Dienstsiegel versehen. Die Vervielfältigung und Veröffentlichung des Klassifizierungsberichts, sowohl in vollem als auch in gekürztem Wortlaut sowie die Verwendung zur Werbung ist nur mit schriftlicher Genehmigung der MPA Universität Stuttgart zulässig. Der Klassifizierungsbericht wird unbeschadet der Rechte Dritter, insbesondere privater Schutzrechte, erteilt. Gerichtsstand und Erfüllungsort ist Stuttgart.

Materialprüfungsanstalt Universität Stuttgart  
Pfaffenwaldring 32  
70569 Stuttgart (Vaihingen)  
USt.-ID-Nr. DE 147794196

Telefon:(0711) 685 - 0  
Telefax:(0711) 685 - 62635  
Internet: www.mpa.uni-stuttgart.de

BW-Bank Stuttgart / LBBW  
Konto-Nr. 7 871 521 687 BLZ 600 501 01  
IBAN: DE51 6005 0101 7871 5216 87  
BIC/SWIFT-Code: SOLADESTXXX

3. Klassifizierung und Anwendungsbereich  
Classification and field of application

Die Klassifizierung erfolgte nach DIN EN 13 501-1: 2010, Abschnitt 11.6.  
*This classification has been carried out in accordance with clause 11.6 of EN 13 501-1: 2007 + A1: 2009.*

3.1 Klassifizierung

Das Bauprodukt transparente oder bedruckte ETFE-Folie „TCI REVEAL ETFE Film“ wird nach seinem Brandverhalten wie folgt klassifiziert:

*The product transparent or printed ETFE-foil “TCI REVEAL ETFE Film” in relation with its fire behaviour is classified as follows:*

**B**

Die zusätzliche Klassifizierung zur Rauchentwicklung ist:  
*The additional classification in relation with smoke production is:*

**s1**

Die zusätzliche Klassifizierung zum brennenden Abtropfen ist:  
*The additional classification in relation with burning droplets/ particles is:*

**d0**

Das Bauprodukt transparente oder bedruckte ETFE-Folie „TCI REVEAL ETFE Film“ wird damit in die folgende Brandverhaltenklasse eingestuft:

*The product transparent or printed ETFE-foil “TCI REVEAL ETFE Film” is classified in the reaction-to-fire performance class:*

**Klassifizierung des Brandverhaltens: B-s1, d0**

3.2 Anwendungsbereich  
Field of application

3.2 Anwendungsbereich  
Field of application

Die Klassifizierung in Abschnitt 3.1 gilt nur für das im Abschnitt 1 beschriebene Bauprodukt.  
*Classification in clause 3.1 is valid solely for the material as described in clause 1.*

- bei einem Abstand von > 80 mm zu anderen flächigen Baustoffen (Untergründen)  
*used with an air gap/ void of at least 80 mm distance to any other product (substrate)*
- nur für flächige Anwendung ohne Fugen  
*only for surface application without any joints*
- auch bei bis zu 3 Lagen gedoppelt Folie  
*for duplicated (“3 layers”) foil as well*



- für / for:

- einen Dickebereich von 100 µm bis 500 µm  
*a thickness-range of 100 µm to 500 µm*
- ein Flächengewicht von etwa 180 g/m<sup>2</sup> bis 880 g/m<sup>2</sup>  
*a mass per unit area range of approx. 180 g/m<sup>2</sup> to 880 g/m<sup>2</sup>*
- transparent oder bedruckt  
*transparent or printed*

4. Einschränkungen und Hinweise  
Limitations and warnings

- 4.1 In Verbindung mit anderen Baustoffen, insbesondere Dämmstoffen/ Untergründen, mit anderen Abständen, Fugenausbildungen/ Verbindungen Befestigungen, Dicken- oder Flächengewichtsbereichen als in Abschnitt 3.2 angegeben, kann das Brandverhalten so ungünstig beeinflusst werden, dass die Klassifizierung in Abs. 3.1 nicht mehr gilt. Das Brandverhalten in Verbindung mit anderen Abständen, Befestigungen, Fugenausbildungen/ Verbindungen mit anderen Baustoffen/ anderen Untergründen, Befestigungen, Dicken- oder Flächengewichtsbereichen etc. ist gesondert nachzuweisen.

*Used in connection with other materials, especially substrates/ backings, air gaps/ voids, types of fixation, joints, thickness- or weight per unit area-ranges than given in clause 3.2, its fire performance is likely to be influenced this negatively, that the given classification in clause 3.1 is no longer valid. Fire performance in connection with other materials, substrates/ backings, air gaps/ voids, types of fixation, joints, thickness- or weight per unit area-ranges, is to be tested and classified separately.*

- 4.2 Wird das Bauprodukt mit brennbaren Schichten versehen, ist das Brandverhalten dieses Verbundes gesondert nachzuweisen.

*If the product is furnished with any sort of combustible coating its fire performance is to be tested and classified separately.*

- 4.3 Dieser Klassifizierungsbericht ist keine Typzulassung oder Produktzertifizierung.

*This classification report does not represent any type of approval or certification of the product.*

Abteilung Brandschutz / Fire Safety Department  
Referat Brandverhalten von Baustoffen / Section Reaction-to-Fire

Der Bearbeiter  
*The Engineer in Charge*

Dipl.-Ing. (BA) Harald Schillo



Der Leiter der Prüfstelle  
*Head of Notified Fire Testing Centre*

Dr. Stefan Lehner, Ltd. Akad. Direktor

**TEST REPORT**

**REPORT NUMBER: 102572086MID-001a**  
ORIGINAL ISSUE DATE: May 17, 2016  
REVISED DATE: NA

**EVALUATION CENTER**

Intertek  
8431 Murphy Drive  
Middleton, WI 53562

**Rendered To:**

**Textiles Coated International**  
**200 Bouchard Street**  
**Manchester, NH 03103**  
**Boris Friedman**  
**bfriedman@textilescoated.com**

PRODUCT EVALUATED: ETFE PG 4 MIL  
EVALUATION PROPERTY: NFPA 701-2015, METHOD 1  
STANDARD METHODS OF FIRE TESTS FOR FLAME  
PROPAGATION OF TEXTILES AND FILMS

**Report of Testing ETFE PG 4 MIL for compliance with the applicable requirements of the following criteria: NFPA 701-2015, METHOD 1 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films**

*"This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program."*

## 6 Conclusion

---

Intertek has conducted testing for Textiles Coated International on ETFE PG 4 MIL to assess the propagation of flame beyond the area exposed to the ignition source. Testing was conducted in accordance with NFPA 701-2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films-Method 1.

The sample PASSED the testing criteria for NFPA 701-2015, Method 1 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

### INTERTEK



Reported by: \_\_\_\_\_  
Ashton Falduto  
**Lab Technician III, Verification Center**



Reviewed by: \_\_\_\_\_  
Sandy Osborne  
**Lab Technician I, Verification Center**

## 7 Revision Summary

---

DATE	SUMMARY
May 17, 2016	Original Report

**TEST REPORT**

**REPORT NUMBER: 102572086MID-001c**  
ORIGINAL ISSUE DATE: May 17, 2016  
REVISED DATE: NA

**EVALUATION CENTER**

Intertek  
8431 Murphy Drive  
Middleton, WI 53562

**Rendered To:**

**Textiles Coated International**  
**200 Bouchard Street**  
**Manchester, NH 03103**  
**Boris Friedman**  
**bfriedman@textilescoated.com**

PRODUCT EVALUATED: ETFE PG 10 MIL  
EVALUATION PROPERTY: NFPA 701-2015, METHOD 1  
STANDARD METHODS OF FIRE TESTS FOR FLAME  
PROPAGATION OF TEXTILES AND FILMS

**Report of Testing ETFE PG 10 MIL for compliance with the applicable requirements of the following criteria: NFPA 701-2015, METHOD 1 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films**

*"This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program."*

## 6 Conclusion

---

Intertek has conducted testing for Textiles Coated International on ETFE PG 10 MIL to assess the propagation of flame beyond the area exposed to the ignition source. Testing was conducted in accordance with NFPA 701-2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films-Method 1.

The sample PASSED the testing criteria for NFPA 701-2015, Method 1 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

### INTERTEK



Reported by: \_\_\_\_\_

Ashton Falduto  
**Lab Technician III, Verification Center**



Reviewed by: \_\_\_\_\_

Sandy Osborne  
**Lab Technician I, Verification Center**

## 7 Revision Summary

---

DATE	SUMMARY
May 17, 2016	Original Report

**TEST REPORT**

**REPORT NUMBER: 102572086MID-001d**

ORIGINAL ISSUE DATE: May 17, 2016

REVISED DATE: NA

**EVALUATION CENTER**

Intertek

8431 Murphy Drive

Middleton, WI 53562

**Rendered To:**

**Textiles Coated International**

**200 Bouchard Street**

**Manchester, NH 03103**

**Boris Friedman**

**bfriedman@textilecoated.com**

PRODUCT EVALUATED: ETFE PG 12 MIL  
EVALUATION PROPERTY: NFPA 701-2015, METHOD 1  
STANDARD METHODS OF FIRE TESTS FOR FLAME  
PROPAGATION OF TEXTILES AND FILMS

**Report of Testing ETFE PG 12 MIL for compliance with the applicable requirements of the following criteria: NFPA 701-2015, METHOD 1 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films**

*"This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program."*



## 6 Conclusion

---

Intertek has conducted testing for Textiles Coated International on ETFE PG 12 MIL to assess the propagation of flame beyond the area exposed to the ignition source. Testing was conducted in accordance with NFPA 701-2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films-Method 1.

The sample PASSED the testing criteria for NFPA 701-2015, Method 1 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

### INTERTEK



Reported by: \_\_\_\_\_  
Ashton Falduto  
**Lab Technician III, Verification Center**



Reviewed by: \_\_\_\_\_  
Sandy Osborne  
**Lab Technician I, Verification Center**

## 7 Revision Summary

---

DATE	SUMMARY
May 17, 2016	Original Report

**TEST REPORT**

**REPORT NUMBER: 102572086MID-001b**  
ORIGINAL ISSUE DATE: May 17, 2016  
REVISED DATE: NA

**EVALUATION CENTER**

Intertek  
8431 Murphy Drive  
Middleton, WI 53562

**Rendered To:**

**Textiles Coated International**  
**200 Bouchard Street**  
**Manchester, NH 03103**  
**Boris Friedman**  
**bfriedman@textilescoated.com**

PRODUCT EVALUATED: ETFE PG 8 MIL  
EVALUATION PROPERTY: NFPA 701-2015, METHOD 1  
STANDARD METHODS OF FIRE TESTS FOR FLAME  
PROPAGATION OF TEXTILES AND FILMS

**Report of Testing ETFE PG 8 MIL for compliance with the applicable requirements of the following criteria: NFPA 701-2015, METHOD 1 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films**

*"This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program."*

## 6 Conclusion

---

Intertek has conducted testing for Textiles Coated International on ETFE PG 8 MIL to assess the propagation of flame beyond the area exposed to the ignition source. Testing was conducted in accordance with NFPA 701-2015 Standard Methods of Fire Tests for Flame Propagation of Textiles and Films-Method 1.

The sample PASSED the testing criteria for NFPA 701-2015, Method 1 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

### INTERTEK



Reported by: \_\_\_\_\_  
Ashton Falduto  
**Lab Technician III, Verification Center**



Reviewed by: \_\_\_\_\_  
Sandy Osborne  
**Lab Technician I, Verification Center**

## 7 Revision Summary

---

DATE	SUMMARY
May 17, 2016	Original Report