



Test
TS EN ISO/IEC 17025
AB-0556-T

AB-0556-T

FTST25044

01-25



EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.

Dilovası Organize San. Böl. 5.Kısım Fırat Cad.No:18 41455

Dilovası, Kocaeli / TÜRKİYE

DENEY RAPORU

TEST REPORT

Müşterinin adı/adresi : AFS BORU SANAYİ A.Ş.
Customer name/address : Kuşkondu Sokak No:1 1 Çankaya, Ankara / TÜRKİYE

İstek numarası : EEA-25-000007
Order No.

Numunenin adı ve tarifi : SEMIAFS (Thickness: 90 µm / Density: 2,71 g/cm³)
Name and identity of test sample

Numunenin kabul tarihi : 10.01.2025
The date of receipt of sample

Açıklamalar :
Remarks

Deneyin yapıldığı tarih : 15.01.2025
Date of test

Raporun sayfa sayısı : 4 (6 pages including appendixes)
Number of pages of the Report

Deney laboratuvarı olarak faaliyet gösteren Efectis Era Avrasya Test ve Belgelendirme A.Ş., TÜRKAK'tan AB-0556-T ile TS EN ISO/IEC 17025:2017 standardına göre akredite edilmiştir.

Efectis Era Avrasya Test ve Belgelendirme A.Ş. accredited by TÜRKAK under registration number AB-0556-T for EN ISO/IEC 17025:2017 as test laboratory"

Türk Akreditasyon Kurumu (TÜRKAK) deney raporlarının tanınması konusunda Avrupa Akreditasyon Birliği (EA) ve Uluslararası Laboratuvar Akreditasyon Birliği (ILAC) ile karşılıklı tanınma antlaşmasını imzalamıştır.

The Turkish Accreditation Agency (TURKAK) is signatory to the multilateral agreements of the European co-operation for the Accreditation (EA) and of the International Laboratory Accreditation (ILAC) for the Mutual recognition of test reports

Deney ve/veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report

Mühür

Seal

Tarih

Date

Deney Sorumlusu

Person in charge of test

Onaylayan

Approval



16.01.2025

e-signed
Aslı SAKA

e-signed
Ali BAYRAKTAR

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

İmzasız ve mühürsüz raporlar geçersizdir.

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TEST REPORT

on Fire and Technical Characteristics

Our ref.: EEA-25-000007

Sponsor: AFS BORU SANAYİ A.Ş.

Kuşkondu Sokak No:1 1 Çankaya, Ankara / TÜRKİYE

TEST ITEM

Product name: SEMIAFS (Thickness: 90 µm / Density: 2,71 g/cm³)

Manufacturing Plant: AFS BORU SANAYİ A.Ş.

İvedik O.S.B. Havalandırmacılar Cadde No:153 Yenimahalle, Ankara / TÜRKİYE

Composition: Aluminum semi-flexible air duct

Appearance: The aluminum air duct has a wall thickness of 90 µm and a density of 2.71 g/cm³.

Mounting of the samples: Aluminum specimens consisted of 3 pieces. The length of the test specimen is 2400 mm. A metal flat bar was used as additional support. Specimens were tested in sheet form.

Date of receipt of the sample: 10.01.2025

Date of realization of tests: 15.01.2025

Sampling: Samples were delivered by the sponsor.

Test Method: UL 723 - 23

Conditioning: UL 723 - 23, clause 6.4 (23 °C ± 2.8 °C) temperature & (50% ± 5%) RH

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MEASURED VALUES AND THE TEST RESULTS

FSI [m.min]	0,97
FSI [ft.min]	3,14
SDI [%.min]	0,08
Rounded FSI [ft.min]	5
Rounded SDI [%.min]	0

Observation during the test: No specific conditions were observed during the test.

Conclusion:

The test results relate to the behaviour of the test specimen of a product under the conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product of use. The results of tests are concerned only with the subject of testing.

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Brand, type, quality and dimension information of the components, when it is not possible to be verified by the laboratory, are given according to the sponsor's declaration and the responsibility belongs to the sponsor. The test specimens are tested as received from the sponsor (when the laboratory does not carry out sampling).

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

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Classification:

The International Building Code® (IBC), NFPA 101 and NFPA 5000 all describe a set of classification criteria required for interior wall and ceiling finish materials based on FSI and SDI when tested in accordance with ASTM E84 or UL 723.

The classification criteria for all three standard is the same:

Class	Rounded FSI [ft.min]	Rounded SDI [%min]
A	0-25	0-450
B	26-75	0-450
C	76-200	0-450

Appendix 1:

The graphs of the measured and calculated values

Appendix 2:

The photograph of the samples before the test

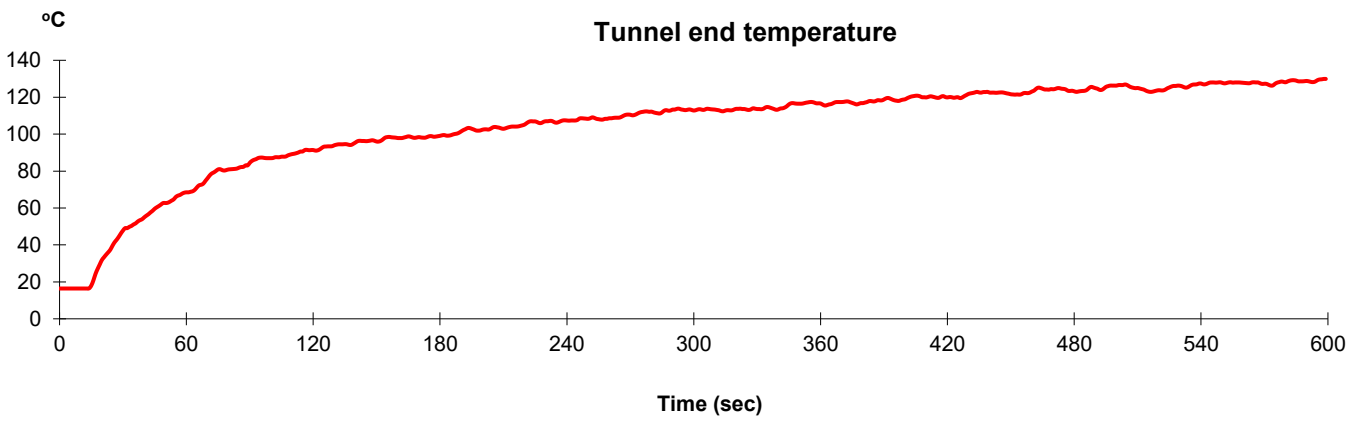
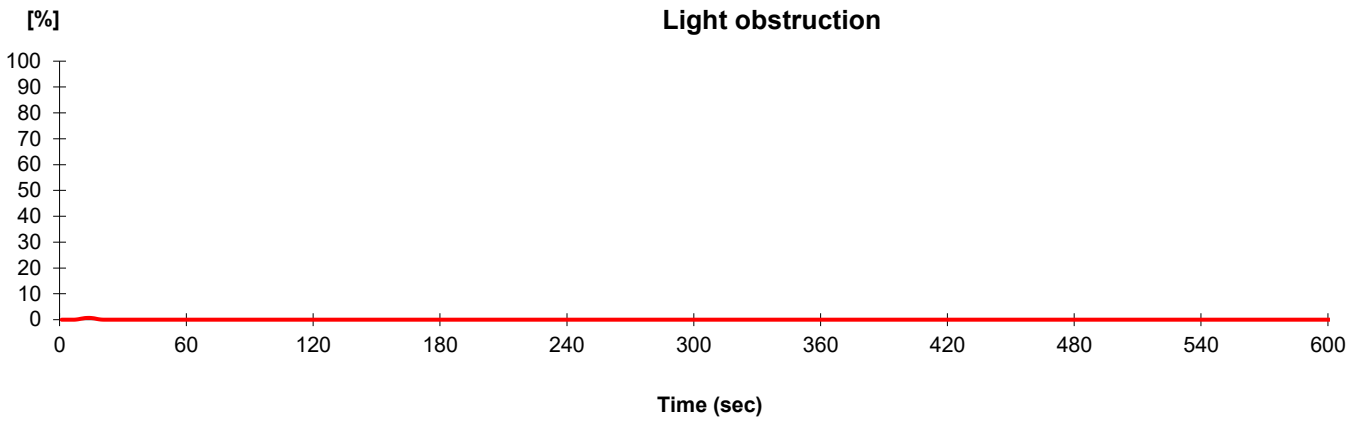
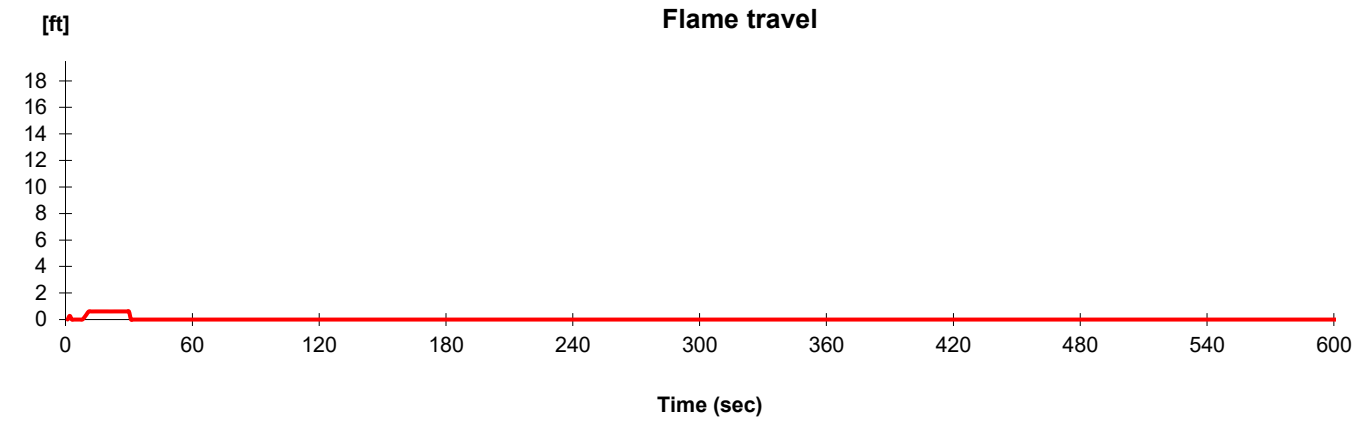
The photograph of the samples after the test

- *FSI: Flame spread index*
- *SDI: Smoke developed index*

Bu rapor, laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz.

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- Photograph of the samples prior to the test:



- Photograph of the samples after the test:

