

Classification report

No. 200762-K1

issued 01.09.2020

Applicant: Ropimex R. Opel GmbH
Bildstocker Str. 12-14
66538 Neunkirchen

Order: Classification of the burning behaviour according to
DIN EN 13501-1 (2019-05)

Date of order 17.08.2020

Notification number of the test laboratory

NB 1378

Designation of the classified building product

Product name: Ropimex® Faltvorhang

this classification report lays down the classification of the building product above according to the procedures of DIN EN 13501-1.



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This classification report is a translation of the German version 200762-K1 (issued 01.09.2020). In case of doubt only the German version is valid.
This classification report contains 5 pages.

1. Description of the material

1.1 Details of the customer:

| | |
|--|---|
| Product name: | Ropimex® Faltvorhang |
| Trade Name: | Faltvorhang |
| Sample material: | Robust water-impermeable film material |
| Material type: | 35% polyester 65% polyvenyl chloride with PVDF lacquer on both sides |
| Type of production: | woven coated |
| Total thickness: | 0.45 mm |
| Total area weight: | 570 g/m ² |
| Colour: | white |
| Flame retardants: | - |
| For composites (e.g. multi-layered materials): | |
| Surface material: | PVC with PVDF lacquer |
| Material of the support layer: | polyester |
| Planned application: | Visual protection curtain |

DRAFT

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1.2 At the specimen preparation from the Warringtonfire Frankfurt GmbH determined values:

Double-sided coated fabric

| Material | Colour: | Thickness: [mm] | Surface weight [g/m ²] |
|----------------------|---------|--------------------|---------------------------------------|
| Ropimex® Faltvorhang | white | 0,45 | 594 |

Material construction und fixing see pictures below:



picture: edge of the large sample wing



fixing of specimen

1.3 Production and pretreatment of the samples for the tests according to DIN EN 13823

The material was provided for the tests in the necessary sample dimensions and delivered by the manufacturer for testing.

The test was carried out in full.

A 80 mm ventilated cavity was situated between the reverse face of the specimens and the plasterboard substrate in accordance with DIN EN 13823, Point 4.4.10 (calcium silicate, gross density $800 \pm 150 \text{ kg/m}^3$, thickness $12 \pm 3 \text{ mm}$).

The samples were conditioned to constant mass for more than 48h according to DIN EN 13238.

1.4 Production and pretreatment of the samples for the tests according to DIN EN 11925-2

The material was provided for the tests in the necessary sample dimensions and delivered by the manufacturer for testing.

The samples were conditioned to constant mass for more than 48h according to DIN EN 13238.

2. Test reports and test results

2.1 Test reports

| Name of test laboratory | Customer | Report to form the basis | Test procedure |
|--------------------------------|----------------------|--------------------------|--|
| Warringtonfire, Frankfurt GmbH | Ropimex R. Opel GmbH | 200762 | DIN EN 13823 (SBI) EN ISO 11925-2 (30s ignition time surface and edge ignition) |

2.2 Test results

| Test procedures | Parameter / classes | Test results average |
|--|--|--|
| DIN EN 13823 (SBI) | FIGRA _{0,2MJ} ≤ 120 [W/s] for class A2 FIGRA _{0,2MJ} ≤ 120 [W/s] for class B | 0,00 |
| | FIGRA _{0,4MJ} ≤ 250 [W/s] for class C FIGRA _{0,4MJ} ≤ 750 [W/s] for class D | 0,00 |
| | THR _{600s} [MJ] ≤ 7,5 MJ for class A2 THR _{600s} [MJ] ≤ 7,5 MJ for class B THR _{600s} [MJ] ≤ 15 MJ for class C THR _{600s} [MJ] no requirement for class D | 0,33 |
| | SMOGRAM-index ≤ 30 [m ² /s ²] für s1 SMOGRAM-index ≤ 180 [m ² /s ²] für s2 | 52,84 |
| | TSP _{600s} ≤ 50 [m ²] for s1 TSP _{600s} ≤ 200 [m ²] for s2 | 87,51 |
| | LFS < edge of the specimen for class A2 LFS < edge of the specimen for class B LFS < edge of the specimen for class C | fulfilled |
| | no burning dripping off/dropping within 600s for class d0 | fulfilled |
| | no burning dripping off/dropping > 10 s within 600s for class d1 | - |
| | burning dripping off/dropping > 10 s within 600s for class d2 | - |
| | DIN EN ISO 11925-2 30s | FS ≤ 150 mm within 60 s for class B, C u. D FS ≤ 150 mm within 20 s for class E |
| no inflammation of the filter paper within 60 s for class d0 | | fullfilled |
| inflammation of the filter paper within 60 s for class d2 | | - |

Explanations of table standing to above:

Figra_{0,2MJ}: Heat release rate with consideration of the THR of threshold value of 0,2MJ [W/s]

Figra_{0,4MJ}: Heat release rate with consideration of the THR of threshold value of 0,4MJ[W/s]

THR_{600s}: Total set free warmth during 600s [MJ]

SMOGRAM: Smoke development rate

TSP_{600s}: Total set free smoke quantity during 600s [m²]

LFS: lateral propagation of flames

3 Classification and range of application

3.1 Reference

The classification was carried out according to the chapter 11 of DIN EN 13501-1

3.2 Classification

The tested material is incorporated regarding its behaviour in case of fire into the class **B**. Concerning the smoke development the tested material is incorporated into the class **s2**. Concerning the dripping off behaviour the tested material is incorporated into the class **d0**.

The classification of the tested material reads thus:

B – s2, d0

3.3 Area of application

The classification is only valid for the material described in chapter one, in the tested colour, thickness and surface weight, in free hanging configuration.
The distance to other plane material must be ≥ 80 mm.

4 Reservation

This classification report replaces not a possible required type admittance or type certification of the product.

Frankfurt 01th September 2020

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