



Testing. Advising. Assuring.

Test report no. 2015-1339

for applying of a required "Verwendbarkeitsnachweis"
issued 07.04.2015

Applicant: Gabriel A/S
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Date of order: 23.03.2015
Date of sampling: *no official sampling of the specimen by a representative of Exova Warringtonfire, Frankfurt*
Date of arrival: 13.03.2015
Date of test: 30.03.2015

Order

Testing of the normal flammability (Building Class B2) according to DIN 4102-1 (May 1998)

Description / designation of the test object

Trade name: Europost 2

Description of the relevant test procedure

DIN 4102 part 1 (May 1998)

This test report did not replace the required „Verwendbarkeitsnachweis“ (official approval document). It is only used for issuing the "Verwendbarkeitsnachweis".

1. Description of the test material

1.1 Details of the customer:

Trade name: Europost 2

Construction:

Application: Upholstery
Material: 100% Wool
Type of production: Weaved
Thickness: 2 mm
Square weight: 570 g/m²
Color: 61003
Flame-retardant(s) used: No

1.2 At the specimen preparation by Exova Warringtonfire, Frankfurt determined values:

Fabric sample:

Colour: beige
Thickness: 1,86 mm
Square weight: 606 g/m²

The samples were stored 14 days before testing under climatic conditions (23°C / 50 % rel. humidity).

2. Test results

2.1 Normal flammability test according to DIN 4102-1

Test with edge ignition without deposit
 Flame application on: lower specimen edge

length direction:

| Specimen-no. | 1 | 2 | 3 | 4 | 5 |
|--|--------------------------|-----|-----|-----|-----|
| Ignition point [s] | 1 | 1 | 1 | 1 | 1 |
| Reaching the measuring mark (150 mm) within 20 seconds | no | no | no | no | no |
| Self extinguishing of the flame [s] | - | - | - | - | - |
| Max. flame height [mm] | 110 | 100 | 110 | 120 | 110 |
| Time [s] | 20 | 20 | 20 | 20 | 20 |
| Afterflaming [s] | - | - | - | - | - |
| Afterglowing [s] | - | - | - | - | - |
| Flames extinguished after [s] | 25 | 25 | 25 | 25 | 25 |
| Smoke development (visuell impression) | strong smoke development | | | | |
| Separating from burning material up to 20 sec. | no | no | no | no | no |
| Time [s] | - | - | - | - | - |

Remarks: none.

cross direction:

| Specimen-no. | 1 | 2 | 3 | 4 | 5 |
|--|--------------------------|-----|----|----|-----|
| Ignition point [s] | 1 | 1 | 1 | 1 | 1 |
| Reaching the measuring mark (150 mm) within 20 seconds | no | no | no | no | no |
| Self extinguishing of the flame [s] | - | - | - | - | - |
| Max. flame height [mm] | 100 | 110 | 90 | 90 | 100 |
| Time [s] | 20 | 20 | 20 | 20 | 20 |
| Afterflaming [s] | - | - | - | - | - |
| Afterglowing [s] | - | - | - | - | - |
| Flames extinguished after [s] | 25 | 25 | 25 | 25 | 25 |
| Smoke development (visuell impression) | strong smoke development | | | | |
| Separating from burning material up to 20 sec. | no | no | no | no | no |
| Time [s] | - | - | - | - | - |

Remarks: none.

Appearance of the specimen after the small burner test:



3. Assessment

The material described on chapter one fulfils the requirements of the

Building Class B2

according to DIN 4102-1 (May 1998).

4. Special comment

The fire test result is only valid for the in chapter one described material in free hanging configuration.

In the composition with other materials (for example coatings, deposits) the burning behaviour could be influenced unfavourable so that the above classification is not any longer valid. According to DIN 4102-1 the burning behaviour in composition with other materials has to be tested separately.

This test report did not replace the required „Verwendbarkeitsnachweis“. It is only used for issuing the “Verwendbarkeitsnachweis”.

Frankfurt, the 07.04.2015

A handwritten signature in blue ink that reads "Anders".

H. Anders
Tester in Charge

A handwritten signature in blue ink that reads "Zachäus".

Dipl.-Ing. T. Zachäus
Laboratory Supervisor

This Test report is valid until 29.03.2020

The results of the tests relate only to the behaviour of the test specimen which is designated on the top.

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This test report is a translation of the German version 2015-1339 (issued 07.04.2015). In case of doubt only the German version is valid

The test report contains 5 pages