



Testing. Advising. Assuring.

Test report No. 2018-1885

for applying of a required "Verwendbarkeitsnachweis"
issued 19.11.2018

Applicant: LG Hausys Europe
Lyonerstr. 15
D – 60528 Frankfurt am Main

Date of order: 22.10.2018
Date of sampling: *no official sampling of the specimen by a representative of Exova Warringtonfire, Frankfurt*
Date of arrival: 24.10.2018
Date of test: 07.11.2018 + 12.11.2018

Order

Testing of the flammability (building class B1) according to DIN 4102-1 (May 1998)

Description / designation of the test object

Product name: HI-MACS Concrete M551 Chic Concrete

Description of the relevant test procedure

DIN 4102 part 1 (Mai 1998)

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



1. Description of the test material

1.1 Details of the customer:

Product name: HI-MACS Concrete M551 Chic Concrete

Product description:

Trade name: HI-MACS®

Sample material: plate material

Material: solid surface

Manufacturing: massive panels

Total thickness: 12mm

Total square weight: 62kg (full plate at 2,79m²)

Colour: Chic Concrete M551

Flame retardant: increased ATH proportion

Manufacturer: LG Hausys Ltd.

Face to be tested: Smooth upper surface

Intended end use of the product: Furnishings and sanitary applications in private and public facilities

1.2 By Exova Warringtonfire, Frankfurt determined values:

material: HI-MACS Concrete M551 Chic Concrete

colour: grey

thickness: 11,85 mm

Surface weight: 20,533 kg/m²

Testing after storing 14- days under climatic conditions (23°C / 50 % rel. humidity).

Assessment

The material described in chapter one fulfils the requirements of the building class B2 according to DIN 4102-1 (Mai 1998).

The determined test results show that the material also fulfils the requirements

of the building class B1

according to DIN 4102-1 (Mai 1998).

Special note

The fire test result is only valid for the material described in chapter one in the tested colour, square weight and thickness.

The test was carried out in free hanging configuration.

The distance to other plane material must be more or equal then 40 mm.

The material wasn't tested after an outside storage.

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

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Frankfurt, the 19.11.2018



H. Anders
Tester in Charge



P. Scheinkönig
Prüfstellenleiter Bau-PVO



This Test report is valid until 06.11.2023.

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 contains 8 pages and 3 annex.