

TEST REPORT No. 339339

Place and date of issue: Bellaria-Igea Marina - Italy, 24/01/2017

Customer: KINGSPAN INSULATION LLC - Dubai Investment Park, 2 - DUBAI - United Arab Emirates

Date test requested: 27/09/2016

Order number and date: 71157, 05/10/2016

Date sample received: 02/11/2016

Test date: from 03/11/2016 to 18/01/2017

Purpose of test: microbial growth test according to method specified by clause 7.4 of standard EN 13403:2003

Sample origin: sampled and supplied by the Customer

Identification of sample received: No. 2016/2214

Sample name*

The test sample is called "Non-metallic ducts".

Description of sample*

The test sample comprises 3 panel specimens, nominal size 100 mm × 100 mm.

(*) according to information supplied by the Customer.

Comp. FM
Revis. AT

This report consists of 3 sheets.

Sheet
1 of 3

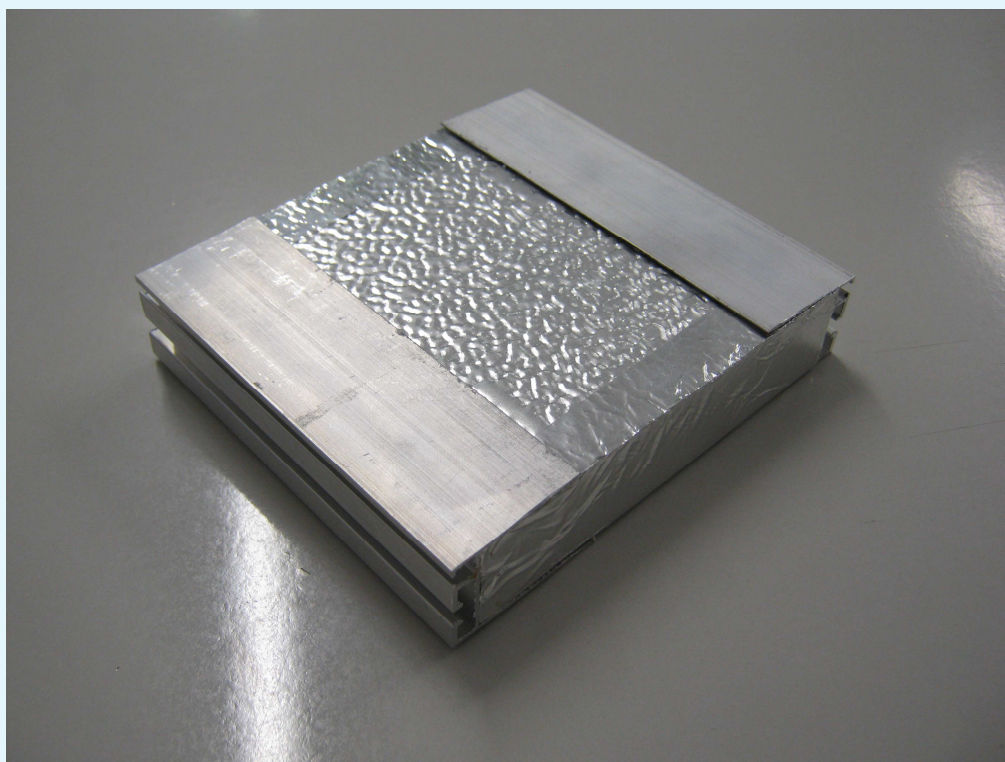


Photo of a specimen

Normative references

The test was carried out in accordance with the internal procedure based on requirements of clause 7.4 “Microbial growth” of standard EN 13403:2003 dated 23/04/2003 “Ventilation for buildings - Non-metallic ducts - Ductwork made from insulation ductboards”.

Test method

Following growth of the microbial strain chaetomium globosium ATCC 6205 on malt extract agar, a spore suspension was prepared containing between 10^5 CFU/ml and 10^6 CFU/ml.

The sample was first cleaned by soaking in a 70 % ethanol solution and then left to air dry.

Subsequently, a spore suspension of $5,5 \times 10^5$ CFU/ml was evenly applied to the sample.

The sample was then left to incubate at a temperature of 21 °C and relative humidity exceeding 95 % for 60 days.

Test results

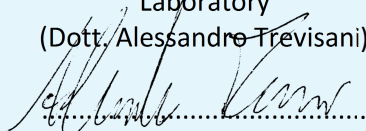
Specimen [No.]	Grade*
1	1
2	1
3	1

(*) Key: 0 no growth;
1 very slight growth;
2 slight growth (area covered ≤ 25 %);
3 moderate growth (area covered ≤ 50 %);
4 high growth (area covered > 50 %).

A visual examination of the sample provides no indication of deterioration after the test.



Head of Wood Technology/Conditioning
Laboratory
(Dott. Alessandro Trevisani)



Chief Executive Officer
(Dott. Arch. Sara Lorenza Giordano)

