



Textilní zkušební ústav
(Textile Testing Institute)
Václavská 6, 65841 Brno, Česká republika

TESTING LABORATORY

TEST REPORT

AZL 15/ 1048

CUSTOMER: Technický a zkušební ústav stavební Praha, s.p.
Prosecká 811/76a
190 00 Praha 9

SAMPLE: Fire protective boards made of magnesium oxide and
(according to the customer order) magnesium chloride and reinforced by fiberglass fabric
Trade name: NevPanel; DragonBoardTürkiye; MagnumBoard
Colour: white / beige
Thickness: 4 mm



SUBJECT OF ASSESSMENT:

Evaluation of the resistance to fungi

**CONDITIONS OF
APPLICATION OF THE TEST
REPORT:**

Test Report contains result of the tests related to the submitted sample only. Sampling has been done by customer. The Report may not be reproduced in the way other than as a complete set. Reproduction of certain parts of the Report is subject to approval of the test laboratory, which has issued it.

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PROCEDURE OF ASSESSMENT:

Plastics - Evaluation of the action of microorganism

was determined according to EN ISO 846 - method A.

Used moulds (cultures delivered from Czech collection of Microorganisms):

CCM 8155	<i>Aspergillus niger</i>
CCM 8156	<i>Chaetomium globosum</i>
CCM 8042	<i>GlIOClaDIum virens</i>
CCM F-161	<i>Penicillium funiculosum</i>
CCM F-566	<i>Paecilomyces variotii</i>

Spore suspension was prepared according to EN ISO 846.

Conditions of assessment:

- number of samples: 10 (5+5)
- measurement of sample: (40 x 40 x 4) mm
- medium: incomplete nutrient agar
- microbicidal solution: ethanol + water (7 : 3)
- temperature in incubator: (24 ± 1) °C
- influence time: 4 weeks

Fungal growth on the sample surface shall be evaluated according the following scale:

Intensity of growth	Evaluation
0	no growth apparent under the microscope
1	no growth visible to the naked eye but clearly visible under the microscope
2	growth visible to the naked eye, covering up to 25 % of the sample surface
3	growth visible to the naked eye, covering up to 50 % of the sample surface
4	considerable growth, covering more than 50 % of the sample surface
5	heavy growth, covering the entire sample surface

Results: evaluation of fungal growth on the sample surface by grades 0 - 5 and with corresponding assessment

Interpretation of the results:

The results have been interpreted as shown in this table:

Intensity of growth	Interpretation of the results
0	material isn't nutrient surroundings for microorganisms (it is inert or fungicide)
1	material contains nutrient components or it is polluted in so small amount that it enables only slight growth
2-5	material isn't resistant to influence of moulds and it contains nutrient components suitable for growth of microorganisms






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TEST RESULTS:

Fire protective boards made of magnesium oxide and magnesium chloride and reinforced by fiberglass fabric Trade name: NevPanel; DragonBoardTürkiye; MagnumBoard Colour: white / beige Thickness: 4 mm			
Characteristics	Test method	Measuring unit	Evaluation
<i>Plastics - Evaluation of the action of microorganism</i>	EN ISO 846 method A	intensity of growth assessment	0 no growth apparent under the microscope


Petr Nasadil
Head of Testing Laboratory

