Materialprüfanstalt für das Bauwesen

MPA BAU HANNOVER

Test report no. 113021

1. editon - 27.09.2011

Sponsor:	Novatech n.v. Industrielaan 5 B 2250 Olen BELGIEN
Order from:	16.08.2011 - Vicky Engelen
Order:	Single-flame source test according to DIN 4102-1: 1998-05, Baustoffklasse B2, of straw-PUR-foam „PUR7“
Notes:	In Germany this test report can be used only for a building material, not for a building product. For sale on the German market, other special papers according to the German “Landesbauordnung” are needed in addition. This test report can be used for these special papers.

This test report consists of 3 pages.

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The test report shall be published unabridged. Any partial publishing requires written allowance by the testing institute. The test results refer only to the tested material.

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1. Test material

sampling:	by sponsor
delivery:	on 17.08.2011 by TNT
number of samples:	5 cans straw-PUR-foam
dimensions:	750 ml

2. Informations about the samples

name:	„PUR7“
raw materials:	polyurethane, flame retardent
configuration:	1-component-straw-PUR-foam
colour:	light green
density:	about 20 kg/m^3

3. Test results

The specimens for the fire tests were produced in the fire laboratory according to the ABM-Recommendation, dated 05.05.2004. The tests were carried out as edge flame attacks according to DIN 4102-1: 1998-05 clause 6.2.5.2.

flame application time:	15 s
observation time:	20 s
number of tests:	5
date of tests:	05.09.2011

position of flame application		edge				
specimen no.		1	2	3	4	5
ignition occurs after	s	0,5	0,4	0,3	0,2	0,2
duration of flames	s	14,6	8,9	15,1	11,1	8,1
max. vertical flame spread	mm	80	110	120	90	110
smoke production		high				
flaming droplets/particles		no ignition of the filter paper				

Requirement of class B2: max. vertical flame spread < 150 mm

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4. Classification

The of straw-PUR-foam „PUR7“ in relation to its reaction to fire behaviour is classified:

DIN 4102-1 – B2

During the tests no flaming droplets/particles according to DIN 4102-1, clause 6.2.6 occurred.

5. Notes

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The validity of this test report expires on 30.09.2016.

Hanover, 27.09.2011

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