

Test Certificate

No. 230006896

issued 19 February 2009

English version

Sponsor:

wedi GmbH

Hollefeldstraße 51

48282 Emsdetten

Date of order: 26 January 2009

Date of sampling: no official sampling

Receipt of the specimen: 19 November 2008

Date of the test: see result tables

Order

Testing on „Normalentflammbarkeit“ (Building material classification B2) according to DIN 4102-1 (May 1998).

Description / name of the test specimen

“wedi-Bauplatte”, 4 up to 100 mm, with a XPS rigid foam core, both-sided coated with glass fibre and mortar coating

Description of the applied test procedure

DIN 4102-1 (May 1998)

This test certificate is valid until 18 February 2014

The test results only relate to the above-mentioned test specimen.

Publishing and copying of test certificates without permission of the MPA NRW is only allowed without any changes of the content and the form of the certificate. A shortened reproduction of the test certificate needs the permission of the MPA NRW.

This test certificate includes 6 pages.

1 Description of the testing material

1.1 Details given by the sponsor

“wedi-Bauplatte”, 4 up to 100 mm, with a XPS rigid foam core, both-sided coated with glass fibre and mortar coating

Density of the XPS rigid foam: approx. 30 kg/m³

1.2 Values determined by the MPA NRW on the specimen preparation

Composite board with a XPS rigid foam core, both-sided coated with glass fibre and mortar.

Thickness of the „4 mm boards“:	in average 4.6 mm
Thickness of the „100 mm boards“:	in average 100 mm
Weight per unit area of the „4 mm boards“:	in average 3.55 kg/m ²
Weight per unit area of the „100 mm boards“:	in average 6.49 kg/m ²
Density of the rigid foam:	in average 34.4 kg/m ³
Colour of the rigid foam:	blue
Colour of the mortar coating:	grey

2 Test results

2.1 Tests on 100 mm thick boards (flame impingement to the edge)

The boards were reduced on 60 mm for the test

Arrangement of the specimen: (free hanging) without substrate

Point of flame attack: leading edge of the specimen

Number of specimen: 5

Edge protection: without edge protection

Date of the tests: 15 December 2008

Specimen no.	1	2	3		
(time from start of the test)					
Ignition (s)	1	1	1	1	1
Flames reaching the limit mark after (s)	no	no	no	no	no
Self-extinguishing of the flames after (s)	15	15	15		
Maximum height of flames from 1 st to 20 th . second (cm)	1	1	1	1	1
Flames/afterglowing put out after reaching the limit mark	--	--	--		
Smoke production (visual)	slight				
Burning droplets / particles time (s)	no	no	no	no	no

Arrangement of the specimen: (free hanging) without substrate, rotated about 90°

Point of flame attack: leading edge of the specimen

Number of specimen: 5

Edge protection: without edge protection

Date of the tests: 15 December 2008

Specimen no.	1	2	3		
(time from start of the test)					
Ignition (s)	1	1	1	1	1
Flames reaching the limit mark after (s)	no	no	no	no	no
Self-extinguishing of the flames after (s)	5	5	5	6	5
Maximum height of flames from 1 st to 20 th . second (cm)	3	3	4	3	3
Flames/afterglowing put out after reaching the limit mark	--	--	--		
Smoke production (visual)	slight				
Burning droplets / particles time (s)	no	no	no	no	no

2.2 Tests on 4 mm thick boards (flame impingement to the edge)

Arrangement of the specimen: (free hanging) without substrate

Point of flame attack: leading edge of the specimen

Number of specimen: 5

Edge protection: without edge protection

Date of the tests: 15 December 2008

Specimen no.	1	2	3		
(time from start of the test)					
Ignition (s)	1	1	1	1	1
Flames reaching the limit mark after (s)	no	no	no	no	no
Self-extinguishing of the flames after (s)	15	15	15		
Maximum height of flames from 1 st to 20 th . second (cm)	1	1	1	1	1
Flames/afterglowing put out after reaching the limit mark	--	--	--		
Smoke production (visual)	slight				
Burning droplets / particles time (s)	no	no	no	no	no

Arrangement of the specimen: (free hanging) without substrate, rotated about 90°

Point of flame attack: leading edge of the specimen

Number of specimen: 5

Edge protection: without edge protection

Date of the tests: 15 December 2008

Specimen no.	1	2	3		
(time from start of the test)					
Ignition (s)	1	1	1	1	1
Flames reaching the limit mark after (s)	no	no	no	no	no
Self-extinguishing of the flames after (s)	15	15	15	15	15
Maximum height of flames from 1 st to 20 th . second (cm)	2	2	2	2	2
Flames/afterglowing put out after reaching the limit mark	--	--	--		
Smoke production (visual)	slight				
Burning droplets / particles time (s)	no	no	no	no	no

3 Assessment

- 3.1 All specimen fulfilled the requirements according to DIN 4102-1 (May 1998) clause 6.2.

Therefore, the tested material can be classified as

**„normalentflammbar“ (building material classification B2)
according to DIN 4102-1.**

This assessment is valid for the material described in clause 1.1
for thicknesses of ≥ 4 mm

- 3.2 In none of the performed tests of the product described in clause 1 falling burning droplets/particles could be noticed within 20 seconds after the beginning of the flame impingement. Therefore the material **does not show** burning droplets/particles.

4 Special notice

4.1 The test result is solely valid for the materials described in clause 1: In combination with other materials (i.e. additional coatings or directly arranged on other plane building products) the reaction to fire behaviour can be unfavourably influenced, so that the classification is not valid any more. The fire behaviour of the product in combination with other substances has to be separately verified according to DIN 4102-1.

4.2 The product has to be labelled with:

DIN 4102-B2

4.3 This test certificate is valid until 18 February 2014.

This test certificate is issued additionally to the test certificate written in German language with the same number. In case of doubt the German version is solely valid.

Erwitte, 19 February 2009

Head of the testing body
by proxy

(Dipl.-Ing. Kühnen)



Date of issue of this English version: 29 June 2011