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Fritz Egger GmbH & Co OG
Holzwerkstoffe
Tiroler Straße 16
3105 Unterradlberg
Austria

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Your reference

Your message dated

Our reference
Mey

Braunschweig, 8 July 2013

Test report No. QA-2013-1432

Customer: Fritz Egger GmbH & Co OG
Holzwerkstoffe
Tiroler Str. 16
3105 Unterradlberg
Austria

Objective of the test: External supervision of particleboards regarding
formaldehyde emission according to JIS A 1460:2001

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This test report comprises 3 pages and 1 table.

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The test results exclusively refer to the objects of the test.

The test material was used up.



1. Task

External supervision of particleboards manufactured by Messrs. Fritz Egger GmbH & Co OG Holzwerkstoffe in 3105 Unterradlberg (Austria), regarding formaldehyde release according to the Japanese standard JIS A 1460:2001.

The supervision is done according to the contract no. 493 dated 20 December 2006 between the client and WKI.

2. Material to be tested and data of receipt

Plant category:	EUROSPAN JP F0,3 (F****)
Plant:	Unterradlberg
Thickness [mm]:	15
Identity No.:	4327

The board was sampled on 19 February 2013 by a WKI's representative. The sampling was carried out in accordance with the DIBt-Richtlinie 100.

The sample arrived at WKI packed in polyethylene foil and was stored under room conditions. It was unpacked and cut on 5 March 2013 and then conditioned for seven days at a temperature of 20°C and a relative humidity of 65%. The JIS test started on 12 March 2013.

The test material was used up.

3. Test method

The determination of the formaldehyde release was carried out according to the Japanese test method called JIS A 1460:2001. The sample was cut off into 9 pieces each with the dimension of 150 mm x 50 mm x thickness. They were placed on a grid made out of stainless steel by using metallic holders in a circle above a glass dish containing 300 ml distilled water.

This arrangement was kept for 24 hours at a temperature of 20°C in a desiccator (according to JIS R 3503; inner volume: 11 l). The formaldehyde content of the distilled water (having absorbed formaldehyde evaporated from the specimens) was determined by using the acetylaceton method. The tests were carried out after a prior conditioning of the samples for seven days at a temperature of 20°C and a relative humidity of 65%.

4. Test results and assessment

In the table enclosed to the test report the formaldehyde values of the tested sample are specified as individual values and as an average value as well.

Following limit values regarding formaldehyde release are fixed for uncoated and coated particleboards (JIS A 5908:2003) or MDF (JIS A 5905:2003) determined by using the desiccator method JIS A 1460:

formaldehyde grade	average value [mg HCHO/L]	single value [mg HCHO/L]
F☆☆☆☆	mean 0.3 or under	maximum 0.4 or under
F☆☆☆	mean 0.5 or under	maximum 0.7 or under
F☆☆	mean 1.5 or under	maximum 2.1 or under



Bettina Meyer
Official in charge



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Head of Testing, Supervision and
Certifying Body

Table: Determination of formaldehyde release according to the Japanese standard
JIS A 1460:2001 of a sample manufactured by
Messrs. Fritz Egger GmbH & Co OG Holzwerkstoffe in 3105 Unterradlberg (Austria)

Date of sampling: 19 February 2013
Start of conditioning period: 5 March 2013
Conditioning period: 7 days
Start of test: 12 March 2013

WKI-ID- No.	Specimen	Thickness mm	Number of test pieces	Formaldehyde release mg / Liter *	
				individual values	average value
4327	"EUROSPAN JP F0,3 (F****) Date of production: 8 February 2013" - particleboard, unfaced	14.9	9	0.25 0.23	0.2
	Blank value	-	-	0.06	-

* Determination was carried out after a prior conditioning of the samples for seven days at a temperature of 20°C and a relative humidity of 65%