

Eur. J. Wood Prod. (2010) 68: 351–352
DOI 10.1007/s00107-010-0474-2

PUBLISHER'S ERRATUM

Erratum to: Quantitative determination of bound water diffusion in multilayer boards by means of neutron imaging

Walter Sonderegger · Stefan Hering · David Mannes ·
Peter Vontobel · Eberhard Lehmann · Peter Niemz

Published online: 29 July 2010
© Springer-Verlag 2010

Erratum to: Eur. J. Wood Prod.
DOI 10.1007/s00107-010-0463-5

Due to a processing error the presentation of Table 1 was incorrect. The unit of $C_{\text{mean, end}}$ was wrongly stated as kg/m^3 instead of g/cm^3 . The correct Table 1 is given on next page.

Unfortunately, an error occurred in the German headline to Table 3. The correct German headline is given below.

Tab. 3 Die nach (6)–(9) berechneten Parameter zur Bestimmung der Diffusionskoeffizienten von Holz und Klebstoff. $D_{o,w}$, $D_{o,a}$ = Diffusionskoeffizienten von Holz bzw. Klebstoff im darrtrockenen Zustand; α_w , α_a = Konstanten, welche die Feuchteabhängigkeit beschreiben; σ = Übergangskoeffizient, M_∞ = Feuchtegehalt im Ausgleichszustand; S = Zielfunktionswert

The online version of the original article can be found under
doi:10.1007/s00107-010-0463-5.

W. Sonderegger (✉) · S. Hering · P. Niemz
Department of Civil, Environmental and Geomatic Engineering,
Institute for Building Materials, ETH Zurich, 8093 Zurich,
Switzerland
e-mail: wsonderegger@ethz.ch

D. Mannes · P. Vontobel · E. Lehmann
Spallation Neutron Source (ASQ), Paul Scherrer Institute (PSI),
5232 Villigen, Switzerland

Table 1 Overview of the tested samples and the applied adhesives at the beginning of the measurements (oven-dry) and the mean moisture content ($MC_{\text{mean, end}}$) and water concentration ($C_{\text{mean, end}}$), respectively at the end of the measurements after 70 days (series 1) or 74 days (series 2) exposed to a differentiating climate (series 1: 20 °C/85% RH to 0% RH; series 2: 20 °C/90% RH to 0% RH)

Tab. 1 Überblick über die untersuchten Proben und die verwendeten Klebstoffe zu Beginn der Messungen (darrtrocken) sowie deren mittlerer Feuchtegehalt ($MC_{\text{mean, end}}$) bzw. Wasserkonzentration ($C_{\text{mean, end}}$) am Ende der Messungen, nachdem die Proben 70 Tage (Serie 1) bzw. 74 Tage (Serie 2) einem Differenzklima ausgesetzt worden waren (Serie 1: 20 °C/85 % rLF zu 0 % rLF; Serie 2: 20 °C/90 % rLF zu 0 % rLF)

	Material/adhesive	No.	Direction of diffusion	Bond line No. (-)	Thickness of the bond line (mm)	Oven-dry height (mm)	Oven-dry density (kg/m^3)	$MC_{\text{mean, end}}$ (%)	$C_{\text{mean, end}}$ (g/cm^3)
Series 1	Spruce wood	1	Tangential	–	–	29.1	418	12.8	0.054
		2	Radial	–	–	29.9	402	12.5	0.050
	Urea-1	3	Tangential	1	0.1	29.0	398	12.5	0.050
		4	Tangential	3	0.1	29.0	441	10.6	0.047
		5	Tangential	5	0.1	29.3	457	9.6	0.044
	PUR-1	6	Tangential	1	0.1	29.0	403	12.0	0.048
		7	Tangential	3	0.1	29.3	430	7.9	0.034
		8	Tangential	5	0.1	29.7	476	6.1	0.029
Series 2	Epoxy	9	Tangential	1	0.1	29.3	429	14.0	0.060
		10	Tangential	1	0.5	29.5	586	11.0	0.064
		11	Tangential	1	1.0	30.1	523	11.0	0.058
	PVAc	12	Tangential	1	0.1	29.3	407	14.8	0.060
		13	Tangential	1	0.5	29.5	389	15.3	0.060
		14	Tangential	1	1.0	29.8	351	14.6	0.051
	Urea-2	15	Tangential	1	0.1	29.5	420	15.0	0.063
		16	Tangential	1	0.5	29.5	419	15.3	0.064
		17	Tangential	1	1.0	29.8	417	14.9	0.062
	PUR-2	18	Tangential	1	0.1	29.4	458	14.2	0.065
19		Tangential	1	0.5	29.8	403	13.5	0.054	
20		Tangential	1	1.0	30.5	452	12.4	0.056	