Critical Moisture Conditions for Mould Growth on Building Materials

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Errata

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Pernilla Johansson, 2012-03-08

Page 12, line 4

Replace 0.98 a_w with 0.89 a_w

Page 12, line 5

Replace (Magan and Lacey, 1984) with (Lacey et al., 1980)

References page 47

”Lacey, J., Hill, S. T., Edwards, M. A. 1980. *Micro-organisms in stored grains: Their enumeration and significance*. Tropical Stored Products Information, 19–33.”

Paper II – page 14

The correct Figure 5a is:

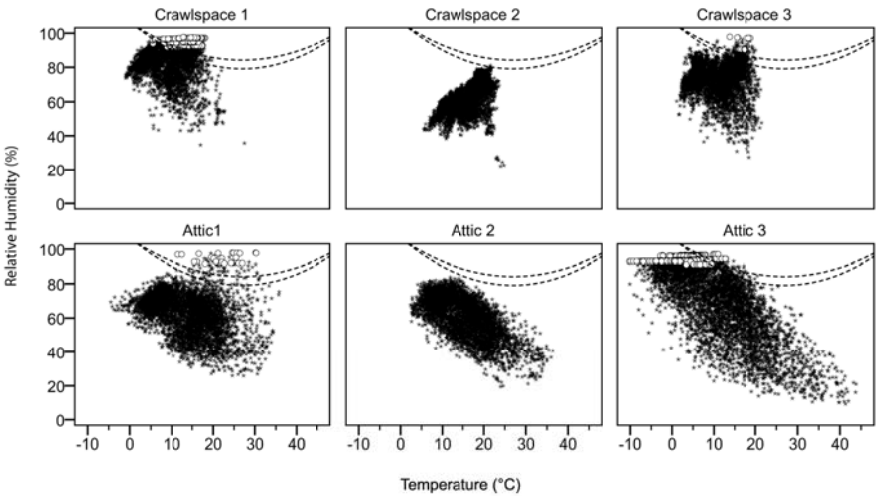

Table 1 Building materials used in the study.

Building material	Description	Range in which the critical moisture level is expected (Johansson et al., unpublished results)	
		22°C	10°C
Pine sapwood	19 mm tongued and grooved board	$75<RH_{crit}\leq 79$	$85<RH_{crit}\leq 90$
Plywood	12 mm softwood plywood	$75<RH_{crit}\leq 79$	$85<RH_{crit}\leq 90$
Chipboard	12 mm particle board	$79<RH_{crit}\leq 85$	$90<RH_{crit}\leq 93$
Thin hardboard	3,2 mm high density hardboard made of wood fibres and lignin	$85<RH_{crit}\leq 89$	$93<RH_{crit}\leq 95$
Wet-room gypsum plaster	13 mm gypsum board with cardboard surfaces	$89<RH_{crit}\leq 95$	$95<RH_{crit}$
Exterior gypsum plaster	13 mm gypsum board with cardboard surfaces	$89<RH_{crit}\leq 95$	$95<RH_{crit}$
Asphalt paper	1,5 mm windproof barrier of asphalt-impregnated cellulose paper	$89<RH_{crit}\leq 95$	$95<RH_{crit}$
Cement-based board	8 mm cement based board consisting of cement, limestone and cellulose fibers, covered with a plastic dispersion	$95<RH_{crit}$	$95<RH_{crit}$
Glassfibre board	15 mm rigid glass wool insulation board	$95<RH_{crit}$	$95<RH_{crit}$
Expanded polystyrene board	50 mm expanded polystyrene insulation board	$95<RH_{crit}$	$95<RH_{crit}$