

# DIN EN 15026:2007-07 (E)

## Hygrothermal performance of building components and building elements - Assessment of moisture transfer by numerical simulation

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
1	Scope .....	5
2	Normative references .....	6
3	Terms, definitions, symbols and units .....	6
3.1	Terms and definitions .....	6
3.2	Symbols and units .....	6
4	Hygrothermal equations and material properties .....	8
4.1	Assumptions .....	8
4.2	Transport of heat and moisture .....	9
4.3	Material properties .....	11
5	Boundary conditions .....	13
5.1	Internal conditions .....	13
5.2	External conditions .....	14
6	Documentation of input data and results .....	15
6.1	General .....	15
6.2	Problem description .....	15
6.3	Hygrothermal model and numerical solution .....	16
6.4	Calculation report .....	16
Annex A (normative) Benchmark example - Moisture uptake in a semi-infinite region .....		18
A.1	General .....	18
A.2	Problem description .....	18
A.3	Results .....	19
Annex B (informative) Design of Moisture Reference Years .....		22
Annex C (informative) Internal boundary conditions .....		23
Bibliography .....		24