

ISO 23327:2021-09 (E)

Hygrothermal performance of building materials and products - Determination of moisture adsorption/desorption properties in response to periodic temperature variation

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Specimen	1
5	Test apparatus	2
5.1	General	2
5.2	Sealed box	2
5.3	Box or chamber with thermostat	4
5.4	Thermometer	4
5.5	Hygrometer	4
6	Curing and thermal insulation of specimen	4
6.1	Damp-proofing of specimen	4
6.2	Curing of specimen	5
6.3	Thermal insulation of specimen	5
7	Test method	6
7.1	Cleaning inside the sealed box	6
7.2	Initial relative humidity inside the sealed box	6
7.3	Installation of specimen	6
7.4	Placement of sealed box	6
7.5	Temperature conditions	7
7.6	Measurement	7
8	Water vapour leakage from sealed box	7
8.1	Calibration of sealed box for vapour leakage	7
8.2	Calculation of calibration value	8
8.3	Tolerance calibration value	8
9	Calculation of results	8
9.1	Temperature and humidity in sealed box	8
9.2	Moisture-adsorption/desorption amount	9
10	Test report	10
Annex A (informative) Temperature conditions of box or chamber with thermostat		11