

ISO 16544:2012-05 (E)

Thermal insulating products for building applications - Conditioning to moisture equilibrium under specified temperature and humidity conditions

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
3.1	Terms and definitions	1
3.2	Abbreviations	2
4	Principle	2
5	Apparatus	3
6	Test specimens	3
6.1	Dimensions of test specimens	3
6.2	Number of test specimens	3
6.3	Preparation of test specimens	4
6.4	Preconditioning of test specimens	4
6.5	Conditioning of test specimen in tropical countries	4
7	Procedure	4
7.1	General	4
7.2	Conditioning Step 1	4
7.3	Conditioning Step 2	5
7.4	Test conditions in tropical countries	5
8	Calculation and expression of results	5
9	Accuracy	5
10	Test report	5
Annex A (normative)	Determination of limiting value of moisture content change and conditioning time factor by experiment	6
Annex B (informative)	Computer calculations to determine the limiting value of moisture content change	8
Annex C (informative)	Calculations of conditioning time to reach equilibrium using the Fourier number	10
Bibliography		13