ISO 24353:2008-09 (E)

Hygrothermal performance of building materials and products - Determination of moisture adsorption/desorption pro perties in response to humidity variation

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms, definitions and symbols 1
3.1 Terms and definitions 1
3.2 Symbols and units 2

4 Test specimens 3
4.1 General 3
4.2 Size 3
4.3 Thickness 3
4.4 Number of specimens 3

5 Test apparatus 3

6 Setting of water vapour surface resistance 4

7 Test method 4
7.1 Test conditions 4
7.2 Single cycle test of moisture adsorption/desorption content 5
7.3 Cyclic test of regular moisture adsorption/desorption content 6

8 Calculation 7
8.1 Moisture adsorption/desorption content and the differences between them 7
8.2 Moisture adsorption/desorption rates 8
8.3 Fourth cycle moisture adsorption/desorption content 8

9 Test report 10

Annex A (normative) Setting of air flow on test specimen surface 11

Annex B (informative) Apparatus using salt saturated aqueous solution 13

Annex C (informative) Calculation procedure of moisture infiltration coefficient 17

Bibliography 18