ISO 13788:2001-07 (E)

Hygrothermal performance of building components and building elements_- Internal surface temperature to avoid critical surface humidity and interstitial condensation_- Calculation methods

Contents

Page

Foreword **v**

Introduction **v**

1 Scope **1**

2 Normative references **1**

3 Definitions, symbols and units **2**

4 Input data for the calculations **4**

5 Calculation of surface temperature to avoid critical surface humidity **7**

6 Calculation of interstitial condensation **9**

Annex A (informative) **18**

Classes of internal humidity load **18**

Annex B (informative) **19**

Examples of calculation of the temperature factor at the internal surface to avoid critical surface humidity **19**

Annex C (informative) **23**

Examples of calculation of interstitial condensation **23**

Annex D (informative) **28**

The assessment of the risk of condensation on window frames **28**

Annex E (informative) **29**

Relationships governing moisture transfer and water vapour pressure **29**

Annex F (informative) **31**

More advanced calculation methods **31**