DIN EN ISO 15758:2014-09 (E)

Hygrothermal performance of building equipment and industrial installations - Calculation of water vapour diffusion - Cold pipe insulation systems (ISO 15758:2014)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms, definitions and symbols 5

4 Calculation formulae 7
4.1 General 7
4.2 Homogeneous insulation 7
4.3 Multi-layer insulation systems 8
4.4 Systems with capacity for drying 8

5 Boundary conditions 9

6 Calculation procedure 10
6.1 General 10
6.2 Calculation of rate of condensation in single homogenous insulation layer 10
6.3 Calculation of rate of condensation in multi-layer insulation system 10

Annex A (informative) Examples 13

Annex B (informative) System with capacity for drying and experimental determination of evaporation rate from surface of wet wick fabric 15

Bibliography 19