DIN EN 14307:2010-03 (E)

Thermal insulation products for building equipment and industrial installa tions - Factory made extruded polystyrene foam (XPS) products - Specification

Contents

Page

Foreword 4

1 Scope 6

2 Normative references 6

3 Terms, definitions, symbols, units and abbreviated terms 7

4 Requirements 10

5 Test methods 15

6 Designation code 18

7 Evaluation of conformity 19

8 Marking and labelling 19

Annex A (normative) Factory production control 21

Annex B (normative) Determination of the aged values of thermal conductivity 24

Annex C (informative) Additional properties 26

Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive 32

Bibliography 40

Figures Figure ZA.1 -- Example of CE marking information 39

Tables Table 1 -- Tolerances of length, width, squareness and flatness of boards 11

Table 2 -- Classes for thickness tolerances of boards 12

Table 3 -- Tolerances for pipe sections and segments 12

Table 4 -- Levels for compressive stress or compressive strength 14

Table 5 -- Test methods, test specimens and conditions 17

Table A.1 -- Minimum product testing frequencies 21

Table A.2 -- Minimum product testing frequencies for the reaction to fire characteristics 23

Table C.1 -- Levels for deformation under specified compressive load and temperature conditions 27

Table C.2 -- Levels for tensile strength, perpendicular to faces 28

Table C.3 -- Levels for long term water absorption by diffusion 28

Table C.4 -- Levels for long term water absorption by total immersion 29

Table C.5 -- Levels for freeze-thaw resistance 29

Table C.6 -- Test methods, test specimens and conditioning 30

Table ZA.1 -- Relevant clauses 33

Table ZA.2 -- System(s) of attestation of conformity 34

Table ZA.3 -- Assignment of evaluation of conformity tasks for products under system 1 35

Table ZA.4 -- Assignment of evaluation of conformity tasks for products under system 3 or system 3 combined with system 4 for reaction to fire 36