DIN EN 13167:2013-03 (E)

Thermal insulation products for buildings - Factory made cellular glass (CG) products - Specification

Contents

Page

Foreword 3

1 Scope 5

2 Normative references 5

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

4 Requirements 10

5 Test methods 16

6 Designation code 19

7 Evaluation of conformity 20

8 Marking and labelling 20

Annex A (normative) Determination of the declared values of thermal resistance and thermal conductivity 22

Annex B (normative) Initial type testing (ITT) and factory production control (FPC) 24

Annex C (normative) CG multi-layered insulation products 28

Annex D (informative) Additional properties 30

Annex E (informative) Preparation of the test specimens to measure thermal conductivity 32

Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Directive 33

Bibliography 41

Tables Table 1 -- Dimensional stability under specified conditions 12

Table 2 -- Levels for compressive strength 13

Table 3 -- Levels for bending strength 14

Table 4 -- Levels for deformation under point load 14

Table 5 -- Test methods, test specimens and conditions 18

Table A.1 -- Values for k for one sided 90 % tolerance interval with a confidence level of 90 % 23

Table B.1 -- Minimum number of tests for ITT and minimum product testing frequencies 24

Table B.2 -- Minimum product testing frequencies for the reaction to fire characteristics 26

Table D.1 -- Test methods, test specimens, conditions and minimum testing frequencies 31

Table ZA.1 -- Relevant clauses for Cellular glass and intended use 34

Table ZA.2 -- Systems of attestation of conformity 35

Table ZA.3.1 -- Assignment of evaluation of conformity tasks for products under system 1 for reaction to fire and system 3 for other characteristics 36

Table ZA.3.2 -- Assignment of evaluation of conformity tasks for products under system 3 or system 3 combined with system 4 for reaction to fire 37

Figures Figure ZA.1 -- Example CE marking information 40