

# DIN EN 13162:2015-04 (E)

## Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification (includes Amendment A1:2015)

---

<b>Contents</b>		<b>Page</b>
Foreword.....		4
1 Scope .....		6
2 Normative references .....		6
3 Terms, definitions, symbols, units and abbreviated terms .....		8
4 Requirements .....		11
5 Test methods.....		18
6 Designation code .....		20
7 Assessment and Verification of the Constancy of Performance (AVCP) .....		21
8 Marking and labelling .....		22
Annex A (normative) Determination of the declared values of thermal resistance and thermal conductivity.....		23
Annex B (normative) $\square_{A_1}$ Product type determination $\square_{A_1}$ ( $\square_{A_1}$ PTD $\square_{A_1}$ ) and factory production control (FPC) .....		26
Annex C (normative) MW multi-layered insulation products .....		31
Annex D (informative) Examples for the determination of the declared values of thermal resistance and thermal conductivity for a product or a product group.....		33
Annex ZA (informative) $\square_{A_1}$ Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation .....		36
Bibliography .....		47
<b>Tables</b>		
Table 1 — Level and classes for thickness tolerances.....		12
Table 2 — Dimensional stability under specified temperature and humidity conditions .....		14
Table 3 — Classes for thickness tolerances.....		16
Table 4 — Levels for compressibility .....		16
Table 5 — Test methods, test specimens and conditions.....		19
Table A.1 — Values for $k$ for one sided 90 % tolerance interval with a confidence level of 90 %.....		25
Table B.1 — Minimum number of tests for $\square_{A_1}$ PTD $\square_{A_1}$ and minimum product testing frequencies .....		26
Table B.2 — Minimum product testing frequencies for the reaction to fire characteristics .....		28
Table D.1 — $\lambda$ test results .....		33
Table D.2 — $R$ test results.....		34
Table ZA.1 — Relevant clauses for factory made mineral wool and intended use .....		36
Table ZA.2 — Systems of AVCP .....		38
Table ZA.3.1 — Assignment of AVCP tasks for factory made mineral wool products under system 1 for reaction to fire and system 3 (see Table ZA.2) .....		38
Table ZA.3.2 — Assignment of AVCP tasks for factory made mineral wool products under system 3 (see Table ZA.2) .....		40

**Table ZA.3.3 — Assignment of AVCP tasks for factory made mineral wool products under combined system 4 for reaction to fire and system 3 (see Table ZA.2) .....41**

**Figures**

**Figure ZA.1 — Example CE marking information of products under AVCP system 1 and system 3" .....46**