

# ISO 13787:2003-05 (E)

## Thermal insulation products for building equipment and industrial installations - Determination of declared thermal conductivity

---

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	2
4	Principles for the determination of declared thermal conductivity .....	2
5	Determination and verification of declared thermal conductivity .....	3
5.1	Measurement of thermal conductivity .....	3
5.2	Procedure for verification .....	3
Annex A (informative) Verification based on curve comparison .....		6
A.1	General .....	6
A.2	Principle .....	6
A.3	Test .....	6
A.3.1	Measurement of thermal conductivity .....	6
A.3.2	Procedure for comparison and decision .....	6
Annex B (informative) Statistical method to establish the declared thermal conductivity curve .....		8
B.1	General .....	8
B.2	Symbols and units .....	8
B.3	Establishment of declared values .....	9
B.3.1	A large number of thermal conductivity results are available (n > 50 at each temperature) .....	9
B.3.2	A small number of data are available (n ≤ 50) .....	9
B.4	Verification of the declared curve .....	9
B.5	Examples .....	10
B.5.1	Establishment of the declared curve .....	10
B.5.2	Verification of the declared curve .....	12
Annex C (informative) Illustration of the procedure to verify thermal conductivity .....		16
Bibliography .....		19