

ISO 15712-2:2005-01 (E)

Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 2: Impact sound insulation between rooms

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Relevant quantities	2
3.1	Quantities to express building performance	2
3.2	Quantities to express element performance	3
3.3	Other terms and quantities	5
4	Calculation models	5
4.1	General principles	5
4.2	Detailed Model	6
4.2.1	Input data	6
4.2.2	Transfer of input data to in-situ values	7
4.2.3	Determination of direct and flanking transmission	9
4.2.4	Interpretation for several types of elements	10
4.2.5	Limitations	10
4.3	Simplified model	10
4.3.1	Calculation procedure	10
4.3.2	Input data	11
4.3.3	Limitations	12
5	Accuracy	12
	Annex A (normative) Symbols	13
	Annex B (informative) Homogeneous floor constructions	16
	Annex C (informative) Floating floors	20
	Annex D (informative) Laboratory measurement of flanking transmission	23
	Annex E (informative) Calculation examples	25
	Bibliography	30