

ISO 12354-2:2017-07 (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
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
3.1	Quantities to express building performance	2
3.2	Quantities to express element performance	2
3.3	Other terms and quantities	6
4	Calculation models	6
4.1	General principles	6
4.2	Detailed model	8
4.2.1	Input data	8
4.2.2	Transfer of input data to in situ values	9
4.2.3	Determination of direct and flanking transmission	11
4.2.4	Interpretation for several types of elements	12
4.2.5	Limitations	12
4.3	Simplified model	12
4.3.1	General	12
4.3.2	Calculation procedure	13
4.3.3	Input data	14
5	Accuracy	15
Annex A (normative)	Symbols	16
Annex B (informative)	Homogeneous floor constructions	19
Annex C (informative)	Floating floors	23
Annex D (informative)	Laboratory measurement of flanking transmission	26
Annex E (informative)	Impact sound insulation in the low frequency range	28
Annex F (informative)	Impact sound performance of stairs	30
Annex G (informative)	Calculation examples	34
Bibliography		45