

ISO 12354-3:2017-07 (E)

Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 3: Airborne sound insulation against outdoor sound

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
3.1	Quantities to express building performance	1
3.2	Quantities to express element performance	3
3.3	Other terms and quantities	4
4	Calculation models	5
4.1	General principles	5
4.2	Determination of direct transmission from acoustic data on elements	7
4.2.1	General	7
4.2.2	Small technical elements	7
4.2.3	Other elements	7
4.3	Determination of flanking transmission	8
4.4	Limitations	8
5	Accuracy	8
Annex A (normative)	List of symbols	10
Annex B (informative)	Determination of transmission by elements from composing parts	12
Annex C (informative)	Influence of façade shape	15
Annex D (informative)	Sound reduction index of elements	20
Annex E (informative)	Estimation of indoor sound levels	23
Annex F (informative)	Guidelines for practical use	25
Annex G (informative)	Calculation examples	26
Bibliography		29