

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 facade 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