DIN EN ISO 12354-2:2017-11 (E)

Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 2: Impact sound insulation between rooms (ISO 12354-2:2017)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **7**
3.1 Quantities to express building performance ... 7
3.2 Quantities to express element performance ... 7
3.3 Other terms and quantities ... 11

4 Calculation models ... **12**
4.1 General principles ... 12
4.2 Detailed model ... 13
4.2.1 Input data ... 13
4.2.2 Transfer of input data to *in situ* values ... 14
4.2.3 Determination of direct and flanking transmission ... 16
4.2.4 Interpretation for several types of elements ... 17
4.2.5 Limitations ... 17
4.3 Simplified model ... 17
4.3.1 General ... 17
4.3.2 Calculation procedure ... 18
4.3.3 Input data ... 19

5 Accuracy ... **20**

Annex A (normative) **Symbols** ... **21**

Annex B (informative) **Homogeneous floor constructions** ... **24**

Annex C (informative) **Floating floors** ... **28**

Annex D (informative) **Laboratory measurement of flanking transmission** ... **31**

Annex E (informative) **Impact sound insulation in the low frequency range** ... **33**

Annex F (informative) **Impact sound performance of stairs** ... **35**

Annex G (informative) **Calculation examples** ... **39**

Bibliography ... **50**