

DIN EN 16205:2018-05 (E)

Laboratory measurement of walking noise on floors (includes Amendment :2018)

Contents	Page
European foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Principle	7
5 Test arrangement	8
5.1 Test facilities	8
5.2 Equipment	8
5.3 Mounting of the specimens	8
6 Test procedure	8
7 Evaluation of results	9
8 Precision	9
9 Expression of results	9
10 Test report	10
Annex A (informative) Presentation of the walking noise spectrum with uncertainty bars (example)	11
Annex B (normative) Reference spectrum for laboratory bare floors	12
Annex C (informative) Fixing the pads below the tapping machine	13
Annex D (informative) Background of the measuring method	14
Annex E (informative) Calculation of perceived walking loudness on floor coverings installed floating	16
E.1 General	16
E.2 Data measured	16
E.3 Calculations	16
E.3.1 Sound spectrum $L_{i,loud}$	16
E.3.2 Loudness RWS	16
E.4 Test report	17
Bibliography	18