

### Contents

	Foreword	
	Introduction	
1	Scope	
2	Normative references	
3	Terms and definitions	
4	Procedure for evaluating single-number quantities for impact sound insulation rating	
4.1	General	
4.2	Reference values	
4.3	Method of comparison	
4.3.1	Measurements in one-third-octave bands	
4.3.2	Measurements in octave bands	
4.4	Statement of results	
4.5	Impact sound insulation measured with heavy and soft impact sources	
5	Procedure for evaluating the weighted reduction in impact sound pressure level by floor coverings on bare heavy floors	
5.1	General	
5.2	Reference floor	
5.3	Calculation	
5.4	Statement of results	
6	Procedure for evaluating the weighted reduction in impact sound pressure level by floor coverings on lightweight floors	
6.1	General	
6.2	Reference curves for the reference lightweight floors used to calculate $\Delta L_{t,w}$	
6.3	Calculation	
6.4	Statement of results	
Annex A	(informative) Additional weighting procedure	
A.1	General	
A.2	Calculation of spectrum adaptation term	
A.2.1	Spectrum adaptation term for impact sound level	
A.2.2	Spectrum adaptation term for the impact sound reduction of floor coverings	
A.2.3	Spectrum adaptation term for the impact sound reduction of floor coverings on lightweight floors	
Annex B	(informative) Procedure for evaluating the equivalent weighted normalized impact sound pressure level of bare heavy floors	
B.1	General	
B.2	Reference floor covering	
B.3	Calculation	
Annex C	(informative) Examples of the evaluation of a single-number quantity	
Annex D	(normative) Rating method for impact sound insulation measured with a heavy and soft impact source	
D.1	General	
D.2	Single-number quantities	
D.3	Calculation of the A-weighted maximum impact sound pressure level	
D.4	Example calculation	