

DIN EN ISO 717-2:2006-11 (E)

Acoustics - Rating of sound insulation in buildings and of building elements - Part 2: Impact sound insulation (ISO 717-2:1996 + AM1:2006)

| Contents | | Page |
|---|--|-------------|
| Introduction | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Definitions | 5 |
| 4 | Procedure for evaluating single-number quantities for impact sound insulation rating | 6 |
| 4.1 | General | 6 |
| 4.2 | Reference values | 6 |
| 4.3 | Method of comparison | 6 |
| 4.4 | Statement of results | 8 |
| 5 | Procedure for evaluating the weighted reduction in impact sound pressure level | 8 |
| 5.1 | General | 8 |
| 5.2 | Reference floor | 8 |
| 5.3 | Calculation | 9 |
| 5.4 | Statement of results | 9 |
| 6 | Procedure for evaluating the weighted reduction in impact sound pressure level by floor coverings on lightweight floors | 9 |
| 6.1 | General | 9 |
| 6.2 | Reference curves for the reference lightweight floors used to calculate $L_{t,w}$ | 9 |
| 6.3 | Calculation | 10 |
| 6.4 | Statement of results | 10 |
| Annex A (informative) Additional weighting procedure | | 11 |
| A.1 | General | 11 |
| A.2 | Calculation of spectrum adaptation term | 11 |
| Annex B (informative) Procedure for evaluating the equivalent weighted normalized Impact sound pressure level of bare massive floors | | 13 |
| B.1 | General | 13 |
| B.2 | Reference floor covering | 13 |
| B.3 | Calculation | 14 |
| Annex C (informative) Examples of the evaluation of a single-number quantity | | 15 |
| Bibliography | | 17 |