

DIN EN ISO 717-1:2021-05 (E)

Acoustics - Rating of sound insulation in buildings and of building elements - Part 1: Airborne sound insulation (ISO 717-1:2020)

| Contents | Page |
|--|-------------|
| European foreword | 3 |
| Foreword | 4 |
| Introduction | 5 |
| 1 Scope | 6 |
| 2 Normative references | 6 |
| 3 Terms and definitions | 7 |
| 4 Procedure for evaluating single-number quantities | 7 |
| 4.1 General | 7 |
| 4.2 Reference values | 9 |
| 4.3 Sound spectra | 9 |
| 4.4 Method of comparison | 9 |
| 4.5 Calculation of spectrum adaptation terms | 13 |
| 5 Statement of results | 14 |
| 5.1 General | 14 |
| 5.2 Statement of performance of building elements | 14 |
| 5.3 Statement of requirements and of performance of buildings | 15 |
| Annex A (informative) Use of spectrum adaptation terms | 16 |
| Annex B (informative) Terms and spectra for an enlarged frequency range | 18 |
| Annex C (informative) Examples of the calculation of single-number quantities and spectrum adaptation terms | 21 |
| Annex D (normative) Single-number rating for improvement of sound reduction index by linings | 24 |
| Annex E (normative) Standard basic elements for measuring the improvement of airborne sound insulation by linings | 26 |
| Bibliography | 31 |