

DIN 18041:2016-03 (E)

Acoustic quality in rooms - Specifications and instructions for the room acoustic design

Contents	Page
Foreword	3
1 Scope	5
2 Normative references	5
3 Terms and definitions.....	6
4 Requirements and recommendations	10
4.1 Constructional requirements.....	10
4.2 Room acoustic requirements for rooms in group A.....	10
4.3 Room acoustic recommendations for rooms in group B.....	14
5 Details for designing rooms in group A	16
5.1 Introduction.....	16
5.2 Volume index.....	16
5.3 Geometric room configuration	17
5.4 Positioning of acoustically effective surfaces.....	19
Annex A (normative) Verification of the room acoustic requirements for rooms in group A	22
Annex B (informative) Sound engineering requirements for good room acoustics.....	25
Annex C (informative) Speech communication	27
Annex D (informative) Recommendations and design instructions for rooms with sound systems	29
Annex E (informative) Design and commissioning of electro-acoustic sound systems for speech transmission.....	31
Annex F (informative) Measures for improving speech intelligibility for the hearing-impaired.....	35
Annex G (informative) Example absorption tables.....	40
Bibliography	44