DIN 277:2021-08 (E)

Areas and volumes in building construction

Contents

Page

Foreword ... 4

1 Scope ... 5

2 Normative references ... 5

3 Terms and definitions ... 5

4 Classification of floor areas of the building ... 7
4.1 Principle and levels of classification ... 7
4.2 Subclassification of the primary area (NUF) ... 7
4.3 Further subclassification of floor areas ... 8
4.4 Further subclassification of primary area 7 “Other uses” (NUF 7) ... 8
4.5 Further subclassification of the construction floor area (KGF) ... 8
4.6 Further subclassification of the gross floor area (BGF) ... 9
4.7 Allocation of floor areas ... 9
4.7.1 General allocation of floor areas ... 9
4.7.2 Variable uses of areas ... 9
4.7.3 Uses of partial areas that deviate from room use ... 9
4.7.4 Movement areas within rooms ... 9
4.7.5 Circulation areas in garages ... 9
4.7.6 Additional areas needed for operating technical installations ... 9
4.7.7 Technical installations for operating facilities for specific uses ... 9
4.7.8 Technical installations used for supply or disposal for other buildings ... 10

5 General determination of floor areas and volumes ... 10
5.1 Precision of the determination ... 10
5.2 Determination for several buildings or building sections ... 10
5.3 Separate determination by storey and storey height ... 10
5.4 Separate determination dependent on the stage of development ... 10
5.5 Measuring method ... 10
5.6 Measurement units ... 10
5.7 Separate determination based on room perimeters ... 10
5.7.1 General case of room perimeters (R) ... 11
5.7.2 Special case of room perimeters (S) ... 11

6 Determining the floor areas of the building ... 11
6.1 Gross floor area (BGF) ... 11
6.2 Net room area (NRF) ... 12
6.3 Construction floor area (KGF) ... 12

7 Determining the volumes of the building ... 13
7.1 Gross volume (BRI) ... 13
7.2 Net volume (NRI) ... 14
7.3 Construction volume (KRI) ... 14

8 Determining the areas of the plot ... 14
8.1 Plot area (GF) ... 14
8.2 Built area (BF) ... 14
8.3 Un-built area (UF) ... 15
8.4 Outdoor area (AF) ... 15

Tables

Table 1 — Classification of floor areas of the building 7

Table 2 — Subclassification of the primary area (NUF) 7