

DIN EN 12369-2:2025-11 (E)

Wood-based panels - Characteristic values for structural design - Part 2: Plywood

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	4
4	Symbols	6
4.1	Main symbols	6
4.2	Subscripts	6
5	General	7
6	Characteristic values for plywood	7
6.1	Introduction	7
6.2	Bending, tension and compression	8
6.2.1	General	8
6.2.2	Strength	8
6.2.3	Modulus of elasticity	9
6.3	Shear properties	11
6.4	Characteristic density and mean density	11
7	Material property values to be used for the structural design according to EN 1995-1-1	12
7.1	General	12
7.2	Additional supplementary material properties for Eurocode 5 (EN 1995-1-1, EN 1995-1-2, EN 1995-2)	13
7.2.1	Mean density (mean) and characteristic density (k)	13
7.2.2	Characteristic modulus of elasticity and rigidity values	14
7.2.3	Compressive strength (fc,flat,k) bearing and compressive and tensile stiffness (Ect,flat,mean and Ect,flat,k), out of plane	14
7.2.4	Tensile strength (ft,flat,k) perpendicular to the face of the panel, out of plane	14
7.2.5	Bending strength (fm,0,edge,k and fm,90,edge,k) in edgewise loading in plane	15
Annex A (informative) Format for the presentation of characteristic values		16
Annex B (informative) Information about the conversion factors		18
Bibliography		20