

ISO 8375:2009-02 (E)

Timber structures - Glued laminated timber - Test methods for determination of physical and mechanical properties

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	2
5	Determination of dimensions of test specimens	3
6	Determination of moisture content of test specimens	4
7	Determination of density of test specimens	4
8	Conditioning of test specimens	4
9	Determination of local (shear-free) modulus of elasticity of the beam in bending	4
10	Determination of global modulus of elasticity of the beam in bending	6
11	Determination of shear modulus of the beam -- single span method	8
12	Determination of shear modulus of the beam -- variable span method	10
13	Determination of bending strength of the beam	11
14	Determination of the modulus of elasticity in tension parallel to the grain of the glued laminated timber	12
15	Determination of the parallel to the grain tension strength of the glued laminated timber ..	13
16	Determination of the modulus of elasticity in compression parallel to the grain of the glued laminated timber	14
17	Determination of the parallel to grain compression strength of the glued laminated timber	15
18	Determination of the modulus of elasticity in compression and tension perpendicular to the grain of the glued laminated timber	16
19	Determination of tension and compression strengths perpendicular to the grain of the glued laminated timber	18
20	Determination of shear strength parallel to the grain - small-specimen test	22
21	Determination of shear strength parallel to the grain - full size beam test	24
22	Test report	26
Annex A (informative) Special processing of data		27
Bibliography		28