

DIN EN 15534-6:2018-01 (E)

Composites made from cel lulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) - Part 6: Specifications for fencing profiles and elements (includes Amendment A1:2017)

Contents

Page

European foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Requirements for fencing profiles	7
4.1 General	7
4.2 Material	7
4.3 Appearance	7
4.4 Physical properties	7
4.5 Mechanical properties	8
4.5.1 Falling mass impact resistance	8
4.5.2 Flexural properties	9
4.5.3 Durability of the material against biological agents	9
4.5.4 Durability of the fencing profiles against ageing and moisture	9
4.5.5 Thermal properties	10
4.5.6 Additional properties	10
5 Requirements for fencing elements	12
6 Marking	12
Annex A (informative) Minimum frequencies of testing for factory production control purposes	14
Annex B (normative) Deformation due to the exposure to thermal radiations from the sun	15
B.1 Principle	15
B.2 Apparatus	15
B.3 Test specimen	15
B.4 Conditioning	15
B.5 Procedure	15
B.6 Expression of the results	16
B.7 Test report	17
Annex C (informative) Description and arrangement of infrared lamps	18
Annex D (informative) Soft body impact test	19
D.1 Principle	19
D.2 Apparatus	19
D.3 Test specimens	20
D.4 Conditioning	20
D.5 Procedure	20
D.6 Expression of results	21
D.7 Test report	21
Bibliography	22