

ISO 16616:2015-08 (E)

Test methods for natural fibre-reinforced plastic composite (NFC) deck boards

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Test specimens	2
5	Conditioning	2
6	Test method	2
6.1	Density	2
6.1.1	Test method	2
6.1.2	Test specimens	2
6.1.3	Immersion liquid	2
6.1.4	Procedure	2
6.2	Maximum bending load	3
6.2.1	Test specimens	3
6.2.2	Test method	3
6.3	Bending creep strain	4
6.3.1	Test specimens	4
6.3.2	Test method	4
6.4	Impact resistance	4
6.4.1	Test specimens	4
6.4.2	Test method	4
6.5	Impact strength	5
6.5.1	Test specimens	5
6.5.2	Test method	5
6.6	Distortion	6
6.6.1	Test specimens	6
6.6.2	Test method	6
6.7	Screw holding strength	6
6.7.1	Test specimens	6
6.7.2	Test method	7
6.8	Skid resistance	7
6.8.1	Test specimens	7
6.8.2	Test method	7
6.9	Water absorption	9
6.9.1	Test specimens	9
6.9.2	Test method	9
6.10	Freeze and thaw test	11
6.10.1	Test specimens	11
6.10.2	Test method	12
6.11	Lengthwise linear thermal expansion coefficient	12
6.12	Weatherproofing	12
6.12.1	Test specimens	12
6.12.2	Test method	12
6.13	Harmful substance test	13

6.14	Formaldehyde emission	13
6.14.1	Test specimens	13
6.14.2	Test method	13
6.15	Burning behaviour	13
6.16	Resistance against discolouration caused by microorganisms	13
6.16.1	Resistance against discolouring micro-fungi	13
6.16.2	Resistance against discolouring algae	13
7	Test reports	14
	Bibliography	15