ISO 19821:2017-11 (E)

Determination of span rating for natural fibre-reinforced plastic composite (NFC) deck boards

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Test specimen 2

5 Sampling 2

6 Conditioning 2

7 Evaluation methods of performance 2
7.1 General 2
7.2 Temperature and moisture effects 2
7.2.1 Temperature effect 2
7.2.2 Moisture effect 3
7.2.3 Acceptance criteria 3
7.3 Weatherproofing 3
7.3.1 Test method 3
7.3.2 Acceptance criteria 3
7.4 Freeze-thaw resistance 4
7.4.1 Test method 4
7.4.2 Acceptance criteria 4
7.5 Biodeterioration 4
7.5.1 General 4
7.5.2 Fungal decay resistance 4
7.5.3 Termites 4
7.6 Creep-recovery 5
7.6.1 Test method 5
7.6.2 Acceptance criterion 5
7.7 Creep-rupture 5
7.7.1 Test method 5
7.7.2 Acceptance criterion 5
7.8 Mechanical fastener holding 5
7.9 Slip resistance 6

8 Determination of span rating 6
8.1 Deck board span rating 6
8.2 Two-span adjustment 6

9 Report 7
9.1 Test report 7
9.2 Product description 7
9.3 Installation instructions 7

Annex A (informative) Adjustment factor -- Examples 8

Annex B (normative) Two-span test method 9

Bibliography 10