DIN EN 17530:2025-02 (E)

Railway applications - Interior glazing for rail vehicles (includes Amendment :2024)

Contents

Page

European foreword 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6

4 Dimensions and tolerances 7
4.1 Monolithic glass 7
4.2 Laminated glass 8
4.3 Flatness 8

5 Functional requirements 8
5.1 Interior glazing test requirements 8
5.1.1 General 8
5.1.2 Type tests 8
5.1.3 Routine tests 9
5.2 Marking 9
5.2.1 Interior glazing 9
5.2.2 Display cover glazing 9
5.3 Service requirements 9
5.4 Storage of finished interior glazing 10
5.5 Edge finishing 10
5.5.1 General 10
5.5.2 Monolithic glass 11
5.5.3 Laminated glass 12

6 Visual and optical requirements 12
6.1 Appearance defects 12
6.1.1 General 12
6.1.2 Visual inspection procedure for appearance defects 12
6.1.3 Definition and classification of defects 14
6.1.4 Defect acceptance criteria 17
6.2 Optical characteristics 17
6.2.1 Optical distortion 17
6.2.2 Transmittance 17

7 Mechanical characteristics 17
7.1 Impact resistance 17
7.1.1 Hard object impact test requirements 17
7.1.2 Soft body impact test requirements 19
7.1.3 Repetition of tests in case of construction changes 20
7.2 Fragmentation 21
7.2.1 General 21
7.2.2 Fragmentation test 21

8 Performance in service 21
8.1 Resistance against ageing for laminated glass 21
8.1.1 Resistance to ultraviolet radiation test 21
8.1.2 Resistance to high temperature test 22
8.1.3 Resistance to humidity test 22

Annex A (normative) Test samples (including mounting) 23

A.1 Test sample properties 23
A.2 Test sample for optical tests 23
A.3 Test sample for mechanical tests 23
A.4 Test sample for ageing tests 23

Annex B (informative) Visual inspection procedure with a luminous board 24

Annex C (normative) Summary of testing requirements 26

Bibliography 27