DIN EN 1629:2016-03 (E)

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burg lar resistance - Test method for the determination of resistance under dynamic loading (includes Amendment A1:2015)

Contents

Page

European foreword 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6

4 Apparatus 6
4.1 Test rig 6
4.2 Pendulum impactor 7
4.3 Suspension system 7
4.4 Sub-frame 7
4.5 Measuring equipment 7

5 Test specimen 8
5.1 General 8
5.2 Preparation and examination of the test specimen 8

6 Procedure 9
6.1 Test room climate 9
6.2 Impact points, directions and test sequence 9
6.2.1 General 9
6.2.2 Group 1, Group 2 and Group 3 products 9
6.2.3 Group 4 products 11
6.3 Impact test procedure 11

7 Expression of results 11

8 Test report 11

Annex A (normative) Test equipment and impact points 13

A.1 Example of a test rig 13
A.2 Load impactor 14
A.3 Examples of mounting arrangements for doorsets 16
A.4 Examples of mounting arrangements for windows 18
A.5 Examples of mounting arrangements for wing and folding shutters 19
A.6 Examples of mounting arrangements for guide rails and roller shutters into the test rig 21
A.7 Examples of mounting arrangements for grilles into the test rig 24
A.8 Impact points for doors 26
A.9 Impact points for windows 28
A.10 Impact points for shutters 29
A.11 Impact points for grilles 32

Annex B (normative) Test sequence for dynamic loading test in resistance classes 1 to 3 34

Bibliography 35