

DIN EN 16727-3:2017-05 (E)

Railway applications - Track - Noise barriers and related devices acting on airborne sound propagation - Non-acoustic performance - Part 3: General safety and environmental requirements

Contents

	Page
European foreword	4
Introduction	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Symbols and abbreviations	7
5 Requirements	7
5.1 Reaction to brush fire	7
5.2 Secondary safety (shatter properties)	7
5.3 Environmental protection	7
5.4 Means of access or escape in emergency	7
5.5 Reflection of light	7
5.6 Electric ground connection of noise barriers on electrified lines	8
5.7 Electrolytic corrosion	8
6 Test report	8
6.1 Information to be reported	8
6.2 Summary report	8
Annex A (normative) Reaction to brush fire	9
A.1 General	9
A.2 Requirements	9
A.3 Fire test	9
A.4 Test report	10
Annex B (normative) Secondary safety: shatter properties	11
B.1 General	11
B.2 Requirements	11
B.2.1 Behaviour under impact	11
B.2.2 Fastening of structural and acoustical elements	11
B.3 Test method	12
B.3.1 Scope	12
B.3.2 Principle	12
B.3.3 Test equipment	12
B.3.4 Impactor	12
B.3.5 Test specimen	12
B.3.6 Structure holding the test specimen	12
B.3.7 Structure used to produce the impact	13
B.3.8 Evaluation	13
B.3.9 Test report	13

Annex C (normative) Environmental protection	16
C.1 General	16
C.2 Requirements	16
Annex D (normative) Means of access or escape in emergency	17
D.1 General	17
D.2 Requirements	17
Annex E (normative) Light reflection	19
E.1 General	19
E.2 Requirements	19
E.2.1 General	19
E.2.2 Classification	19
E.2.3 Test method	19
E.3 Test report	20
Annex F (normative) Electrical ground connection of noise barriers and related devices acting on airborne sound propagation on electrified lines	21
Annex G (normative) Electrolytic corrosion of noise barriers and related devices acting on airborne sound propagation	22
Bibliography	23