

SLOVENSKI STANDARD SIST EN 45545-2:2013/kFprA1:2015

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Železniške naprave - Požarna zaščita na železniških vozilih - 2. del: Zahteve za obnašanje materialov in sestavnih delov v požaru

Railway applications - Fire safety on railway vehicles - Part 2: Requirements for fire behaviour of materials and components

Bahnanwendungen-Brandschutz in Schienenfahrzeugen-Teil 2: Anforderungen an das Brandverhalten Materialien und Komponenten

Ta slovenski standard je istoveten z: EN 45545-2:2013/FprA1

<u>ICS:</u>

13.220.20	Požarna zaščita	Fire protection
45.060.01	Železniška vozila na splošno	, ,
		general

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English Version

Railway applications - Fire protection on railway vehicles - Part 2: Requirements for fire behavior of materials and components

Applications ferroviaires - Protection contre les incendies dans les véhicules ferroviaires - Partie 2: Exigences du comportement au feu des matériaux et des composants Bahnanwendungen - Brandschutz in Schienenfahrzeugen -Teil 2: Anforderungen an das Brandverhalten von Materialien und Komponenten

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 256.

This draft amendment A1, if approved, will modify the European Standard EN 45545-2:2013. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 45545-2:2013/FprA1:2015 (E)

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Foreword

This document (EN 45545-2:2013/FprA1:2015) has been prepared by Technical Committee CEN/TC 256 "Railways applications", the secretariat of which is held by DIN.

This document is currently submitted to the Unique Acceptance Procedure.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

EN 45545-2:2013/FprA1:2015 (E)

1 Modification to 4.2, General

Replace the existing text in 4.2 e) with the following:

"e) a product, other than an electric cable, meeting a requirement at two different thicknesses with identical formulations shall be considered to comply with the requirement at all intermediate thicknesses. A product meeting a requirement at the maximum testable thickness shall be considered to comply with the requirement at greater thicknesses. Electric cables meeting a requirement at two different diameters with identical formulations shall be considered to comply with the requirement at all intermediate thicknesses.

2 Modifications to Table 2, Requirements of listed products

Replace the 31st line of Table 2 by adding the two following lines:

Product	Name	Details	Requirement
No			
EX4A	Exterior air ducts connected to the interior of the vehicle - interior surface	Interior surfaces of ducts which are installed on the exterior of the vehicle and from which air flows into the vehicle interior.	R1
EX4B	Exterior ducts	Exterior and interior surfaces of ducts which are not in the scope of EX4A	R7

Replace the 64th line of Table 2 with the following:

Product No	Name	Details	Requirement
EL9	Printed circuit boards	Printed circuit boards with all varnishes applied but without any attached technical equipment	R24 or R25

3 Modification to 5.3.1.2, Assembled products and surfaces to be tested

Replace the existing text of 5.3.1.2 with the following:

"Exposed surfaces of a material which form part of an assembly shall be tested to the appropriate requirement set defined in Table 2.

Any material that is part of an assembly, but does not form part of all fire test pieces, for example because it exceeds the thickness limit of the test methods, shall be separately tested to the relevant requirement(s) as defined in R17, except intermediate layers of floor assemblies which shall be tested to the requirement(s) as defined in R10. This requirement is not applicable to seat upholstery assemblies (because seat assemblies are tested according to R18 and R21)."

4 Modification to D.1, Protocol for specimen preparation for tests according to EN ISO 5659-2 and ISO 5660-1

Add the following text to D.1:

"The specimens for tests according to EN ISO 5659-2 shall be prepared according to the following procedure in accordance with EN ISO 5659-2:2006:

Wrapped specimens of thickness up to 12,5 mm shall be backed with a sheet of non-combustible insulating board of oven-dry density $850 \text{ kg/m}^3 + 100 \text{ kg/m}^3$ and nominal thickness 12,5 mm and a layer of low-density (nominally 65 kg/m³) refractory-fibre blanket under the non-combustible board."