

PROPOSED CHANGE

MODIFICATION PROPOSÉE

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Comment

Commentaires

Document	NBC 2005	Document
Provision	Tables D-3.1.1.A. and B.	Exigence
Committee	Fire Protection	Comité
Minutes	6.2.1. WG-Referenced Standards; 4.6.11. and 7.6.10.18. Standing Committee on FP Procès-verbaux	

EXISTING PROVISION

D-3.1.1. Scope of Information

See Tables D-3.1.1.A. and D-3.1.1.B. in Appendix D of Division B.

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Replace Tables D-3.1.1.A. and B. as follows:

Other Code Provisions Affected: None

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**Table D-3.1.1.A.
Assigned Flame-Spread Ratings and Smoke Developed Classifications for Combinations of Wall and Ceiling Finish Materials and Surface Coatings⁽¹⁾**

Materials	Applicable Material Standard	Minimum Thickness, mm	Surface Coating	
			Unfinished	Paint or Varnish not more than 1.3 mm Thick, Cellulosic Wallpaper not more than One Layer ⁽²⁾⁽³⁾
Asbestos cement board	CAN/CGSB-34.16-M	None		
Brick, concrete, tile	None	None	0/0	25/50
Steel, copper, aluminum	None	0.33		
Gypsum plaster	CSA A82.22-M	None		
Gypsum wallboard	CAN/CSA-A82.27-M ASTM C 1396/C 1396M	9.5	25/50	25/50
Lumber	None	16	150/300	150/300
Douglas Fir plywood ⁽⁴⁾	CSA O121-M	11	150/100	150/300
Poplar plywood ⁽⁴⁾	CSA O153-M			
Plywood with Spruce face veneer ⁽⁴⁾	CSA O151-M			
Douglas Fir plywood ⁽⁴⁾	CSA O121-M	6	150/100	150/100
Fiberboard low density	CAN/ULC-S706	11	X/100	150/100
Hardboard	CAN/CGSB-11.3-M	9	150/X	(5)
Type 1 Standard		6	150/300	150/300
Particleboard	ANSI A208.1	12.7	150/300	(5)
Waferboard, <u>OSB</u>	CSA O437.0	—	(5)	(5)

Notes to Table D-3.1.1.A.:

- (1) See D-1.1.1.(5) for standards used to assign flame-spread ratings and smoke developed classifications.
- (2) Flame-spread ratings and smoke developed classifications for paints and varnish are not applicable to shellac and lacquer.
- (3) Flame-spread ratings and smoke developed classifications for paints apply only to alkyd and latex paints.
- (4) The flame-spread ratings and smoke developed classifications shown are for those plywoods without a cellulose resin overlay.
- (5) Insufficient test information available.

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**Table D-3.1.1.B.
Flame-Spread Ratings and Smoke-Developed Classifications for Combinations of Common Floor
Finish Materials and Surface Coatings⁽¹⁾**

Materials	Applicable Standard	FSR/SDC ⁽²⁾
Hardwood or softwood flooring either unfinished or finished with a spar or urethane varnish coating	None	300/300
Vinyl asbestos flooring not more than 4.8 mm thick applied over plywood or lumber subfloor or direct to concrete	CSA A126.1-M	300/300
Wool carpet (woven), pile weight not less than 1120 g/m ² , applied with or without felt underlay ⁽³⁾	CAN/CGSB-4.129	300/300
Nylon carpet, pile weight not less than 610 g/m ² and not more than 800 g/m ² , applied with or without felt underlay ⁽³⁾	CAN/CGSB-4.129	300/500
Nylon carpet, pile weight not less than 610 g/m ² and not more than 1355 g/m ² , glued down to concrete	CAN/CGSB-4.129	300/500
Wool/nylon blend carpet (woven) with not more than 20% nylon and pile weight not less than 1120 g/m ²	CAN/CGSB-4.129	300/500
Nylon/wool blend carpet (woven) with not more than 50% wool, pile weight not less than 610 g/m ² and not more than 800 g/m ²	CAN/CGSB-4.129	300/500
Polypropylene carpet, pile weight not less than 500 g/m ² and not more than 1200 g/m ² , glued down to concrete	CAN/CGSB-4.129	300/500

Notes to Table D-3.1.1.B.:

(1) Tested on the floor of the tunnel in conformance with provisions of CAN/ULC-S102.2, "Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies."

(2) Flame-Spread Rating/Smoke Developed Classification.

(3) Type 1 or 2 underlay as described in CGSB 4-GP-36M, "Carpet Underlay, Fiber Type."

RATIONALE

Problem

Tables D-3.1.1.A. and B.

The use of products containing asbestos conflicts with NBC health and safety objectives.

Table D-3.1.1.A.

OSB was added to the Table to reflect both products that CSA-O437.0-93, "OSB and Waferboard," addresses.

Justification - Explanation

Tables D-3.1.1.A. and B.

To remove references to asbestos products for safety reasons.

Table D-3.1.1.A.

Editorial. Clarification. To match the material list in Table D-3.1.1.A. with the title of the standard.

Cost implications

None.

Enforcement implications

None.

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Who is affected

Architects, builders, owners, regulators.

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: Tables D-3.1.1.A. and B.

Analysis: N/A

Attributions

Objective

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