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Horizontal Burn Resistance Determination of "Precidium Rail Floor"

A Report To:

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Fire Testing

Report No.

12-002-003
3 Pages

Date:

January 10, 2012

ACCREDITATION To ISO/IEC 17025 for a defined Scope of Testing by the International Accreditation Service

SPECIFICATIONS OF ORDER

Perform horizontal burn resistance to determine compliance with Schedule IV to the Federal Motor Vehicle Safety Regulations (Transport Canada Technical Standards Documents No. 302 (CMVSS 302)) or to determine compliance with the Federal Motor Vehicle Safety Standard of the U.S. Federal Code of Regulations (49 CFR Part 571.302 (FMVSS 302)), as per our Quote 11-006-11880S accepted January 9, 2012.

IDENTIFICATION

Material identified as Spray applied membrane w/colored topcoat/accents:"Precidium Rail Floor".

(Exova sample identification number 12-002-S0003)

SUMMARY OF TEST PROCEDURE

A maximum of six specimens, 102 x 356 mm having a thickness up to 13 mm, are conditioned for 24 hours at 21°C and 50% relative humidity. Specimens are placed horizontally between two U-shaped metal frames in a specified draft-free cabinet. A Bunsen burner having a flame height of 38 mm is placed 19 mm below the centre of the exposed end of the specimen for 15 seconds. If ignition and flame propagation occur, timing is commenced at a point 38 mm from the exposed end and terminated when the flame reaches a point 38 mm from the clamped end. The burn rate is calculated as follows:

$$B = \frac{60 \times D}{T}$$

Where: B = burn rate in millimeters per minute
D = length the flame travels in millimeters
T = time in seconds for the flame to travel D millimeters

The following other categories of behaviour are also deemed to comply with the regulations:

- does not ignite
- self-extinguishing (material does not burn to timing zone)
- self-extinguishing, no burn rate (material ignites but does not burn more than 51 mm into the timing zone)
- self-extinguishing with burn rate

TEST RESULTS**CMVSS 302 / FMVSS 302**Flammability Of Interior Materials-Horizontal Burn Resistance

<u>Specimen #</u>	<u>Reporting Code *</u>	<u>Burn Length (mm)</u>	<u>Burn Time (s)</u>	<u>Burn Rate mm/min</u>
001:	A	0	0.0	0
002:	A	0	0.0	0
003:	A	0	0.0	0
004:	A	0	0.0	0
005:	A	0	0.0	0
006:	A	0	0.0	0

Specified Max: 102

- * A - Does not ignite.
- B - Self-extinguishing (material does not burn to timing zone).
- C - Self-extinguishing/no burn rate (ignites but does not burn more than 51 mm from timing zone).
- D - Self-extinguishing/with burn rate.
- E - Burns entire length with calculated burn rate.

CONCLUSIONS

All of the six specimens did not ignite, therefore, the material identified in this report complies with the requirements of CMVSS 302 and FMVSS 302.

Note: This is an electronic copy of the report. Signatures are on file with the original report.

Victor Tarcenco,
Fire Testing

Ian Smith,
Fire Testing

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