



SURFACE VEHICLE STANDARD	J1323™	OCT2023
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Standard Classification System for Fiberboards		

RATIONALE

This document has been determined to contain basic and stable technology which is not dynamic in nature.

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1. SCOPE

This SAE Standard provides a means for specifying or describing the pertinent properties of fiberboards for automotive applications. The materials normally specified by this standard are defined in SAE J947. The test methods commonly used for fiberboards are defined in SAE J315.

1.1 Purpose

The purpose of this classification system is to provide guidance to the engineer in the selection of commercially available fiberboards and further provide a method for specifying the fiberboard and its critical properties by use of a standard line call-out.

2. REFERENCES

2.1 Applicable Publications

The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J315	Fiberboard Test Procedure
SAE J369	Flammability of Polymeric Interior Materials—Horizontal Test Method
SAE J947	Glossary of Fiberboard Terminology
SAE J949	Test Method for Determining Stiffness (Modulus of Bending) of Interior Trim Materials and Substrates

2.1.2 AATCC Publication

Available from American Association of Textile Chemists and Colorists, P.O. Box 12215, Research Triangle Park, NC 27709-2215, Tel: 919-549-8141, www.aatcc.org.

AATCC Evaluation Form 2 (Gray Scale for Staining)

2.1.3 ASTM Publication

Available from ASTM International, 100 Barr Harbor Drive, P.O. Box C700, West Conshohocken, PA 19428-2959, Tel: 610-832-9585, www.astm.org.

ASTM D 747 Standard Test Method for Apparent Bending Modulus of Plastics by Means of a Cantilever Beam

3. NUMBERING SYSTEM

3.1 The Basic Five Characters

This classification establishes alpha-numeric characters for various performance levels of each fiberboard property or characteristic. In specifying or describing fiberboard materials, each line call-out shall include the number SAE J1323, followed by a sequence of alpha-numerics to describe the fiberboard and its properties. The first five alpha-numeric characters of the call-out after SAE J1323 are mandatory, since they identify the material and specify the critical fiberboard properties, thickness, fiberboard type, and dimensional stability.

3.2 Suffix Letters

To further specify or describe the fiberboard, each line call-out may include one or more suffix - alpha-numeric symbols as listed in Section 5. These suffix letters, when appended to the basic number, specify additional physical or mechanical property requirements. Suffix symbols may be used singly or in combination to describe the properties desired in the fiberboard.

3.3 Special Numbers

The numeral 0 is used when the description of any characteristic is not desired. The numeral 9 is used when the description of any characteristic (or test related thereto) is specified by some supplement to this classification system, such as notes on engineering drawings.

3.4 Special Letter

To identify other characteristics not covered by the existing suffix symbols, the letter Z shall be used. The Z characteristics shall be specified in detail on the engineering drawing or other supplement to this classification. If more than one Z characteristic is specified, they should be identified by subnumeral, for example, Z₁, Z₂, Z₃, etc.

3.5 Example

The line call-out SAE J1323 B2A23A1B7C3D9Z would be broken down to indicate the type of fiberboard and properties as in Figure 1: