

Chapter 16
Tex-721-I, Sampling Aluminum Sheet or Coil, and Extruded Panels

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Section 1

Overview

Effective Dates: August 1999 – June 2005.

This method outlines the procedure for sampling aluminum sheet or coil, and extruded panels for highway signs.

Units of Measurement

The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

Section 2

Sampling Information

An authorized representative of TxDOT shall select samples.

Sampling shall be performed at the sign fabricator's plant from material intended for use on TxDOT projects. Samples shall be taken at least every six months. If the alloy or physical properties of material become questionable, additional samples will be required until the quality is acceptable.

Section 3

Procedures

Select at least one sample from each alloy, temper, and thickness of material available for use.

Instruct the fabricator to cut a 300 x 300 mm (12 x 12 in.) square sample from each selected heat or coil. For aluminum sheet or coil, a completed sign blank at least 300 mm (12 in.) per side may be furnished in lieu of a cut sample.

Section 4

Tagging/Labeling, Documenting, and Shipping

Follow the 'General Requirements' as detailed in "Tagging/Labeling, Documenting, and Shipping General Requirements" in Chapter 2. In addition:

- ◆ include name of producing mill, the alloy, temper, thickness, heat or coil number, "periodic sample" statement, cutter (if material has been cut into sign blanks), type of treatment (if blanks have been treated)
- ◆ securely package samples to prevent damage during transit.

Section 5
Documentation

A mill test report and/or certification shall accompany each sample.