



1/16" NORFOLK AND WESTERN ROLLBOARD

Product No. 13737; Group - Asbestos

Typical Use - For Norfolk and Western R.R. Co.

Type - 1/16" Rollboard shall be a laminated asbestos product consisting of two layers of asbestos paper firmly bonded with a silicate of soda adhesive.

Furnish Composition - Standard beater furnishes with one or more alternate furnishes for this product are specified in the Appendix for this group. Alternate furnishes are provided to permit flexibility in the control of asbestos fiber or asbestos paper scrap inventories. Furnishes are specified with varying amounts of different grades of fibers to allow the Management a choice whenever a surplus or a shortage of any particular grade of fiber or asbestos paper scrap has developed at either the Asbestos Mill or the Asbestos Mine.

Specification Requirements

	<u>Min.</u>	<u>Desired Average</u>	<u>Max.</u>
Weight, lb. per 100 sq. ft. (bone dry)	-	33.0	35.0
Caliper, inches	0.052	-	0.065
Tensile strength, lb. with grain (1)	8	15	-
Tensile strength, lb. across grain (1)	6	10	-
Asbestos, percent	97	-	-
Flame test (2)	Ok	-	-
Heat test (3)	Ok	-	-
Bond test (4)	Ok	-	-

- (1) Tensile strength to be tested on strip 1" x 10".
- (2) Flame Test: No odor shall develop in Bunsen flame.
- (3) Heat Test: Board heated to cherry red must retain fair strength and not become brittle or crumble.
- (4) Bond Test: Less than 10% of outer fibers shall rupture when dried 1" x 10" strip is bent flat on itself in shape of S.

Average Consumption of Materials, lb. per 100 sq. ft.

Asbestos paper (2 plies)	31.0
12% Sol sodium silicate (dry)*	2.0
	<u>33.0</u>

* Average wet silicate consumption 5.0 lb. per 100 sq. ft.

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Quality - The paper shall be produced by "felting" at least 97 percent by weight of asbestos fiber. The surface of the sheet shall be uniformly smooth and, upon splitting or tearing on the bias, shall appear reasonably free from lumps or particles of foreign substances.

Dimensions

Width of roll: 36" plus or minus 1/8"
Size of roll: approximately 100 lb.

Packaging and Marking - Rolls shall be tightly and evenly wound to specified size and wrapped in 40 lb. kraft paper. Corrugated cardboard disks shall be used as headers, which are held in place with the overlapping gummed tape placed around the roll ends. Each roll shall have the weight stencilled on the wrapper.

Approved:

Manufacturing

Sales

Research

Date

C. W. Koser 1/11/45
R. W. Smith 1/4/45
H. W. Leiden 1/11/45