

Note 1: A 6-in. square specimen conditioned in accordance with ASTM D759-48, shall be placed in a suitable weighing bottle and the total weight carefully noted. This weight less the weight of the bottle shall be considered the conditioned weight of the specimen. The specimen shall then be removed from the bottle, brought to a uniform temperature of $120\text{ F} \pm 2$, subjected to a relative humidity of $95\% \pm 3$ at a temperature of $120\text{ F} \pm 2$ for 96 hours. The specimen shall then be replaced in the weighing bottle and the total weight recorded. The total weight less the weight of the bottle shall be considered the wet weight of the specimen. The percentage of moisture absorption shall be calculated by means of the following formula:

$$\text{Per cent increase} = \frac{\text{Wet weight} - \text{Conditioned weight}}{\text{Conditioned weight}} \times 100$$

Note 2: A specimen at least 20 inches long and 12 inches wide shall be mounted with the long sides vertically clamped in such a fashion that the top and bottom shall be open and the entire panel shall be free to vibrate horizontally. The specimen shall be so cut that any stitching which does not cross upon itself shall be vertical. In cases where cross stitching is used, the specimen shall be cut so that the longest dimension of the stitch pattern is vertical. The specimen shall be vibrated horizontally for 12 hours through a double amplitude of at least 0.040 in. at a frequency of 1750 ± 50 cycles per minute. Before the test is begun, the specimen shall be carefully weighed and after completion of the vibration test, the specimen shall be weighed again, any loss of weight being noted.

6. QUALITY: The product shall be uniform in quality and condition, clean, smooth, and free from foreign materials and from defects detrimental to fabrication; appearance or performance of parts.

7. SIZES AND TOLERANCES: Unless otherwise specified, the following shall apply:

7.1 Length: Minimum 144 in.

7.2 Width: Unless otherwise specified, $54\text{ in.} + \frac{1}{2}\text{ in.}$, - 0 in.

7.3 Thickness:

<u>Nominal (Specified) Thickness, inch</u>	<u>Tolerance, Inch Plus or Minus</u>
0.500	0.062
1.000	0.125
1.500	0.188
2.000	0.250

8. REPORTS:

8.1 Unless otherwise specified, the vendor of the product shall furnish with each shipment three copies of a notarized report stating that the product meets all the requirements of this specification. This report shall include the purchase order number, material specification number, thickness, size, quantity, and manufacturer's identification.