

FIG. 1 Depth Gauge for Thickness Measurements

6.2.3 Cut batts which are longer than 48 in. to 48 ± 0.25 in. (122 ± 0.63 cm) in length.

6.3 Sampling of Cut Rolls—Five batts shall be cut of roll-width by 48 ± 0.25 in. (122 ± 0.63 cm) in length.

6.3.1 Cut one batt from the center of the roll, two batts from the ends of the roll, and the fourth and fifth from the quarter points along the length. See Fig. 2.

6.3.2 For blankets wider than 24 in., cut each of the five batts 24 ± 0.25 in. (61 ± 0.63 cm) wide by 48 ± 0.25 in. (122 ± 0.63 cm) long.

6.4 Sampling for Full Roll Method—This method can be used in place of 6.3 when the roll is wider than 24 in. (61 cm) or longer than 50 ft (16.4 m). Prior to unrolling the material, weigh the entire roll to the nearest 0.25 pound (0.11 kg). Two methods may be used to obtain the full roll weight. The first method removes the insulation product from the packaging prior to weighing. The material will expand and may unroll slightly, care must be taken to ensure that the full roll is weighed accurately. The second method weighs the packaged

insulation product, then weighs the packaging material only. The packaging material weight is subtracted from packaged product weight to obtain net material weight.

7. Procedure

7.1 Expansion of Packages and Cut Roll—Hold the first batt vertically off the floor by grasping it with both hands on its long dimension so that the lower edge is 18 ± 1 in. (460 ± 25 mm) above a solid horizontal surface. Release the batt, allowing it to strike the surface. Repeat the above for a second time. Next, holding the batt by the other long edge, drop twice as above. Place the specimen on the flat, hard surface. Repeat the above for the remaining four specimens. Allow specimens to reach equilibrium by waiting at least 5 min before making thickness measurements within 1 in. (25 mm) in any direction of five points as indicated in Fig. 3.

NOTE 1—If 23-in. (580-mm) wide samples are tested, use a quarter or half of that dimension to establish the test points.

NOTE 2—Some materials may require 4 h or more to reach equilibrium.

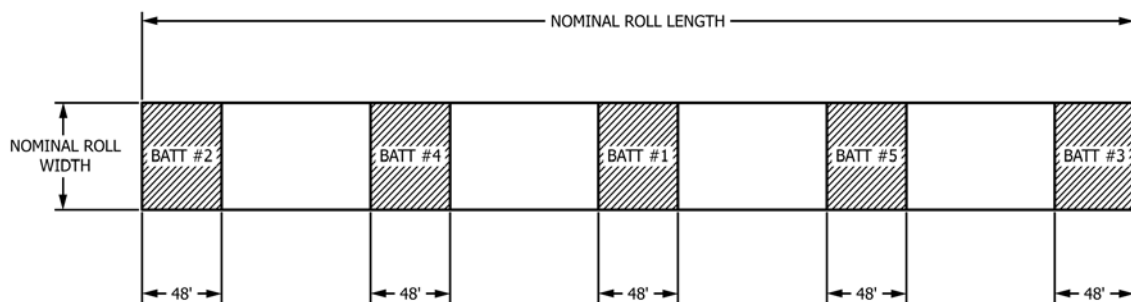


FIG. 2 Sampling of Cut Rolls