

ADHESIVE WEIGHT TEST FOR LANDAU ROOFS

Application

This procedure is used to determine the weight in ounces per square yard of adhesive sprayed on Landau roofs.

Apparatus Required

Laboratory Balance

Accurate to 0.1 mg.

Aluminum Foil

Household type, Reynolds, or equivalent.

Double Backed Adhesive Tape

Arno Tape, Michigan City, Indiana, or equivalent.

Oven

Convection type.

Conditioning and Test Conditions

All test values indicated herein are based on material conditioned in a controlled atmosphere of 23 +/- 2 °C and 50 +/- 5 % relative humidity for not less than 24 h prior to testing and tested under the same conditions unless otherwise specified.

Procedure

1. Cut three 4 by 4 inch sections from a roll of foil.
2. Weigh the foil sections.
3. Place foil adjacent to, or directly on, the substrate to be sprayed, in a random arrangement to obtain values representative of the entire surface being sprayed.

Note: Foil may be secured to test surface with double backed tape.

Date	Action	Revisions
2001 08 23	Revised	Editorial – no technical change A. Cockman
1992 07 13		

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4. Following application of adhesive, remove foil and place them in a convection oven at 180 °F for four hours.

Note: Remove the tape from the foil.

5. After removal from oven, weigh foil and calculate weight in oz/sq yd. Report the average of three weights.
6. Calculate as follows:

$$W_2 - W_1 = W_3 ; (W_3) \cdot (2.86) = x$$

Where:

W_2	=	Weight in grams of foil and adhesive/16 sq. in. section
W_1	=	Weight in grams of foil/16 sq. in. section
W_3	=	Weight in grams of adhesive/16 sq. in. section
X	=	weight of adhesive in oz/sq yd.

Chemicals, materials, parts, and equipment referenced in this document must be used and handled properly. Each party is responsible for determining proper use and handling in its facilities.