

Test Procedure Guidelines

Test Method: **APPLIED ADHESIVE COATING WEIGHT**

PURPOSE OF PROCEDURE:

To determine the amount of adhesive coating applied to substrate.

DEFINITION OF TERMS:

Adhesive Coating Weight: This term refers to the amount of adhesive that has been applied to the substrate. Results are stated in pounds per ream or grams per square meter, with a ream being 3000 square feet or 278.7 square meters.

EQUIPMENT/MATERIALS NEEDED:

1. Analytical balance
2. Metal Template 4 in. x 4 in (10.2 cm x 10.2 cm).
3. Cutting tool (razor blade)
4. Heptane (other suitable solvents such as toluene or MEK may be acceptable or preferred).
5. Tissue
6. Hot air blower (optional)

TEST PROCEDURE:

1. Cut sample using template
2. Weigh sample and record weight
3. With adhesive coating side up, remove coating using tissue and Heptane
4. Air dry for five minutes, or dry with hot air blower
5. Reweigh sample
6. Subtract second weight from first weight to obtain adhesive coating weight in grams.
7. Multiply by 59.4714 to obtain weight in lbs. per ream. (Ream = 3000 sq. feet) or multiply weight in grams by 97 to obtain weight in grams/square meter.

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DOCUMENTATION:

The allowable tolerance that is agreed upon by the customer should be in written specifications provided by the customer.

The frequency of the test to be performed must also be agreed upon by the customer. That is to say that the customer should provide in their specification how often the test is to be done and by what form of sampling method, random or non-random. These will be used to record results.

Many customers will require representative samples to be kept in inventory to reference in the event that the customer finds a defect in the provided order. This frequency of these retains should also be specified to ensure compliance.

REFERENCES: