

2024 RIMA INTERNATIONAL VERIFICATION PROGRAM REPORT FOR:

Covertch Flexible Packaging, Inc.

279 Humberline Dr.
Etobicoke, Ontario M9W5T6

VALID THROUGH 2024: This report is issued annually and is valid for the calendar year shown.

CATEGORY: Reflective Insulation

PRODUCTS VERIFIED: rFoil Poly/DB/Met, rFoil Met/SB/Met, rFoil Poly/SB/Met, rFoil Met/DB/Met

PROGRAM DESCRIPTION/PURPOSE:

This voluntary program was founded by the Reflective Insulation Manufacturers Association International (RIMA International) in 2009. ASTM International and their affiliate, Safety Equipment Institute (SEI), became the administrators of the program in 2019. The Verification Program is designed to identify reflective products which have fulfilled test requirements in accordance with current ASTM Standards. The Verification Program provides assurance for purchasers that verified products meet or exceed industry standards for each product category. There are five (5) categories of Verification (listed below). Upon application, products are submitted to a third-party accredited laboratory that reviews and verifies all test data required in the category as well as technical data sheets and website claims. Once all the criteria has been met, the products are considered Verified and the manufacturer is issued a Certificate of Verification for the current year and a customized Verification logo.

ANNUAL SURVEILLANCE:

To maintain the integrity of Verification, participating companies submit recent product samples of each verified product, in January each year, to the designated accredited laboratory where several verified product models are randomly selected to be tested against a subset of the standards/test methods listed below. A minimum of 20% of the products verified are tested annually so that all verified products are re-tested every five years.

CATEGORIES:

Category 1: Reflective Insulation

Category 2: Radiant Barriers: Vapor Transmitting (perm >5) and Vapor Retarder (perm < 1)

Category 3: Interior Radiation Control Coatings

Category 4: Facer Materials

Category 5: Radiant Barrier Sheathing: Radiant barrier material attached to wood panels. Vapor Transmitting (perm >5) and Vapor Retarder (perm < 1)

REQUIRED TESTS:

ASTM C1371 Thermal Emittance	This test provides a comparative means of qualifying the emittance of opaque, highly thermal conductive materials near room temperature as a parameter in evaluating temperatures, heat flows, and derived thermal resistance of materials.
ASTM C1224 (Section 9.5) Adhesive Performance	This test determines bleeding and delamination of the reflective insulation.

<p>ASTM C1258 Elevated Temperature and Humidity Resistance</p>	<p>This test determines the resistance of flexible low permeance vapor retarders for thermal insulation as classified in Specification C1136 to evaluated temperature and humidity. Water vapor permeance measurement and visual inspection after exposure at elevated temperature and humidity are used to assess vapor retarder response.</p>
<p>ASTM C1338 Fungi Resistance</p>	<p>This test determines the ability of new insulation materials and their facings to resist fungal growth.</p>
<p>ASTM E96 Water Vapor Transmission</p>	<p>This test determines water vapor transmission rate (WVTR) of materials such as, but not limited to, paper, plastic films, other sheet materials, coatings, foams, fiberboards, gypsum and plaster products, wood products, and plastics. Two basic methods, the Desiccant Method and the Water Method, are provided for the measurement of WVTR. In these tests, the desired temperature and side-to-side humidity conditions, with resultant vapor drive through the specimen, are used. Agreement is not to be expected between results obtained by different methods. The test conditions employed are at the discretion of the user, but in all cases, are reported with the results.</p>
<p>ASTM E84 (E2599) Flame Spread/Smoke Developed</p>	<p>E84: This fire-test-response standard for the comparative surface burning behavior of building materials is applicable to exposed surfaces such as walls and ceilings. This test is conducted with the specimen in the ceiling position with the surface to be evaluated exposed face down to the ignition source. The material, product, or assembly shall be capable of being mounted in the test position during the test. Thus, the specimen shall either be self-supporting by its own structural quality held, in place by added supports along the test surface, or secured from the back side.</p> <p>E2599: This practice describes a procedure for specimen preparation and mounting when testing reflective insulation, radiant barrier, and vinyl stretch ceiling materials to assess flame spread and smoke development as surface burning characteristics using Test Method E84.</p>
<p>ASTM G-154 *† Oxidation Resistance/ Non-Metalized Surface Degradation <i>(for non-metallic polymer facers only)</i></p>	<p>This practice is limited to the basic principles for operating a fluorescent UV lamp and water apparatus; on its own, does not deliver a specific result. It is intended to be used in conjunction with a practice or method that defines specific exposure conditions for an application along with a means to evaluate changes in material properties. This practice is intended to reproduce the weathering effects that occur when materials are exposed to sunlight (either direct or through window glass) and moisture as rain or dew in actual usage. The practice is limited to the procedures for obtaining, measuring, and controlling conditions of exposure.</p>

CONCLUSION:

It is confirmed that all above tests listed have been performed by an accredited laboratory and all criteria for Verification has been met.

For more information on the Verification Program or the sponsoring programs contact the following:

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