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REPORT ON

CHEMICAL TESTS OF

LEWCO HYDROPHOBIC FIBERGLASS MAT

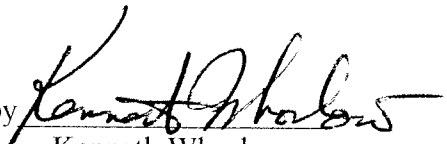
(Sample ID: Tutco-739669)

TEST METHOD OF

ASTM C 871

PREPARED FOR
LEWCO SPECIALITY PRODUCTS
6859 Renoir Ave.
Baton Rouge, LA 70806

TUTCO SCIENTIFIC REPORT NO. LEWCO\739669(871).516
May 19, 2016

Reported by 
Kenneth Whorlow
President

Subject: This report covers ASTM C871 Chemical Tests (Standard Test Method for Chemical Analysis of Thermal Insulation Materials for Leachable Chloride, Fluoride, Silicate, and Sodium Ions). The material tested was Lewco Hydrophobic Fiberglass Mat, received from Lewco Specialty Products for testing ordered for PO # 739669, Item #1, by letter dated May 3, 2016.

Sample: The sample received was a gray colored blanket material and was identified as:
Lewco Hydrophobic Fiberglass Mat
Sample ID: Tutco-739669

CHEMICAL TESTS

Sample Preparation: Samples were cut from the submitted specimen such that the test samples were representative of the entire cross section of the material. Samples weighing 20.0 grams were prepared for the duplicate extractions.

Each weighed sample was put in a blender jar containing 500 ml of demineralized water, ground and crushed into small pieces and quantitatively transferred to a one-liter stainless steel beaker. The sample slurry was heated to boiling and maintained at temperature for 30 minutes. The liquid was cooled, the weight was brought to 500 grams, and then strained and then filtered to produce the extraction solution for chemical tests.

Chemical Test Procedures: All test procedures were conducted in accord with ASTM C871. The tests used were as follows: Chloride - Amperometric-coulometric titrator; Silicate - Molydisilicic acid; Sodium - Ion Selective Electrode; Fluoride - Ion Selective Electrode; pH - Standard pH probe and meter.

Test Results: Given in parts per million (mg/kg).

Sample	Sodium	Silicate	Chloride	Fluoride	pH
1A	168	167	19	3	7.4
1B	136	147	22	3	7.4