

File



ROBERT W. FLANAGAN
PITTSBURGH OFFICE, 6AB

MR. MARIO CAPRIO
PITTSBURGH OFFICE, 19AB

1981 April 03

RE: ASBESTOS SEALING MATERIAL

The following were in Mike Vaudreuil's files as references for materials which could be used as coatings for asbestos insulation to avoid the hazards of ripping it out:

1. Asbestos Guard Fix (719) by U. S. Coatings Collaborative, Chelsea, Mass.
2. Hydroban 500E by KRC Research Corp., Moorestown, N.J.
3. H. L. Clement Co., Sewickley, Pa. (no product specified)

Do you know if these products and companies have been checked for acceptability, and, if so, have they been approved and cleared through Purchasing?

ROBERT W. FLANAGAN

RWF:lmn

AL-630



I INTRODUCTION

One exploratory ASTM E-84 test was run on a sample of Asbestos Guard No. 719 material to determine Flame Spread, Fuel Contributed and Smoke Developed results.

II MATERIAL TESTED

The sample tested was designated as Asbestos Guard No. 719 Fiber Fix which is a self-priming, thixotropic elastomeric protective coating formulated especially for covering and containing sprayed on asbestos insulating materials.

The material was applied to 1/4 in. (6.25 mm) thick asbestos-cement board at an approximate 40 sq ft per gallon coverage rate.

III METHOD OF TEST

The ASTM E-84 test method is a test for the "SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS". It determines the material's relative Flame Spread, Fuel Contribution and Smoke Developed Ratings, as compared with those of Red Oak (100 rating) and asbestos-cement board (0 rating) under identical conditions.

IV TEST RESULTS

The results of one ASTM E-84-75 test run October 3, 1978, on Asbestos Guard No. 719 material for U.S. Coatings Company are:

Flame Spread	0
Fuel Contributed	0
Smoke Developed	5

Caution: These numerical Flame Spread, Fuel Contributed and Smoke Developed indexes do not define the hazards presented by this or any other material under actual fire conditions.

IV LABORATORY RESPONSIBILITY

The Factory Mutual Research Corporation makes no judgment of product uniformity solely as a result of ASTM E-84 fire tests. Product uniformity depends in part on manufacturing facilities and procedures which would be inspected by Factory Mutual's Quality Assurance Follow-Up Inspection Program and on a written agreement put in force between both the product manufacturer and Factory Mutual.

Unless these conditions are met, the product cannot bear the Factory Mutual name on its advertising.



U.S. COATINGS COLLABORATIVE INC.

Consultants & Suppliers to Industry

201 MARGINAL STREET • CHELSEA, MA 02150 • (617) 884-6644

TECHNICAL DATA SHEET

TYPE OF COATING

Flame Retardant—Latex—Elastomeric Synthetic Rubber Polymer.

PRODUCT

ASBESTOS GUARD FIBER FIX (No. 719)

DESCRIPTION

ASBESTOS GUARD FIBER FIX (No. 719) is a self priming, thixotropic, elastomeric fire retardant, protective coating, formulated especially for covering and containing sprayed on asbestos thermo insulating materials and asbestos pipe lagging. Application by airless spray will provide necessary penetration and cohesion on friable coatings. Dried film is elastomeric and will withstand normal abraiding and abuse without cracking.

TECHNICAL DATA

FIRE HAZARD CLASSIFICATION

Reference: ASTM E 84

Flame Spread-----0

Fuel Contributed -----0

Smoke Developed-----5

Volume Solids by Weight:

63%

Viscosity:

15,000–30,000 cps.

Theoretical Coverage:

1,010 mil, sq. ft./gal. dry.

Minimum dry film required:

Per coat 7 mils.

Wet film. required:

Per coat 11.1 mils.

Coverage per gallon to achieve minimum dry film thickness:

115 sq. ft. (allows for 20% loss) on smooth surface. Actual coverage depends on porosity and profile of the surface.

Coverage per gallon three coat system

30–40 sq. ft. approximately.

Drying time:
at 50% relative humidity & 70°F.

To touch: ½ to 1 hour.
To recoat: 1 to 2 hours.

Complete cure:

4 to 7 days (80 strength—72 hours)

Solve asbestos fallout hazard safely, economically and effectively and avoid expensive teardowns or disruption in your operations with:

ASBESTOS GUARD FIBER FIX (719)

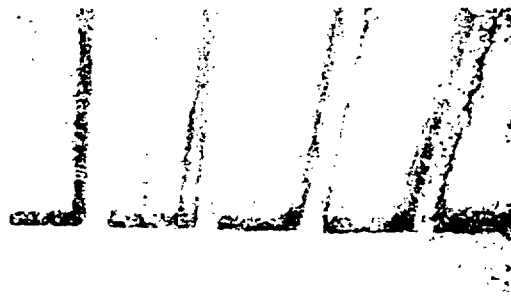
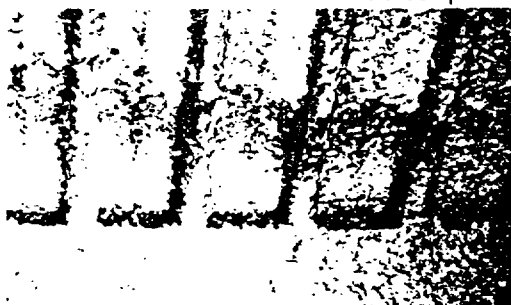
A new durable protective coating formulated for covering and containing asbestos lagging, asbestos coated steelwork or asbestos fireproofing

The recent discovery of cancer-causing asbestos in many old applications such as fire proofing, steel lagging or sound deadening has prompted the search for a rapid and inexpensive solution to combat asbestos fallout. Even slightly damaged or older asbestos ceilings, or asbestos coated steel work, or in areas where high-humidity exists can trigger a potentially dangerous asbestos fibre loss.

An ideal solution to solve the asbestos fallout problem without expensive stripping and closing work areas is with ASBESTOS GUARD FIBER FIX. It is a self priming

elastomeric protective coating, that is sprayed or painted on properly prepared existing old asbestos surfaces. This process encapsulates the loose fibers into a seamless, water resistant membrane and effectively seals and coats the object to which it is applied.

After application, ASBESTOS GUARD FIBER FIX produces a flame proof coating, resistant to temperature changes, cracks, and most chemicals and oils. No maintenance is required on aging.



- ✓ Some additional features are:
 - A. Protection Factors** Encapsulates • Excellent Fire Rating • No Flame Spread • No Fuel Contributed • No Smoke
 - ✓ Meets OSHA and EPA Specifications
 - B. Properties** Barrier to water and oil • Chemically resistant • Fungistatic • Aging and Temperature Stability

- ✓ **C. Attributes** Durable • Exterior/Interior Surfaces • Needs no primer coat — self priming • Adheres to a variety of surfaces
- D. Application Properties** Non-toxic • Easy to Apply • No Hazard to applicator • Spray or brush coating • Cost effective
- ✓ For further information please call:



U.S. Coatings Collaborative Inc.

Consultants & Suppliers to Industry

201 MARGINAL STREET • CHELSEA, MASSACHUSETTS 02150 • (617) 884-6644



70 Haig Sahorain 2/11/80
From R. J. J. J.

Robert P. Carter
Aluminum Company of America
1501 Alcoa Building
Pittsburgh, Pennsylvania 15219

February 7, 1980

RECEIVED
FEB 11 1980

Dear Mr. Carter:

U.S. Coatings Collaborative Inc. manufactures a water based, elastomeric encapsulation coating for asbestos containing materials, ASBESTOS GUARD FIBER FIX (719). It was developed in close cooperation with the Massachusetts Department of Occupational Health and Hygiene in compliance with EPA and OSHA guidelines. Enclosed are the technical data sheets and test result reports about our product.

In addition to manufacturing asbestos containment products, U.S. Coatings Collaborative Inc. functions as a Consulting and Management Firm. As consultants in the field we will identify and define asbestos problems and advise satisfactory solutions for the elimination of exposure hazards. We will assist architects, engineers, safety and business managers and public agency personnel in the formulation of project specifications.

As construction managers, our services to organizations and firms encompass the entire range of tasks from site investigation to project completion pertaining to encapsulation or removal for any asbestos problem.

U.S. Coatings Collaborative Inc. is familiar with products, specialize techniques, and equipment systems that will contribute to the safe, efficient and satisfactory completion of these tasks, and we can train project personnel at those institutions that choose to use in-house employees to remove or encapsulate asbestos materials.

Your name was obtained from the AIHA membership list. If your responsibilities do not include asbestos hazard elimination, we would appreciate it if you would pass this information on to interested parties in your organization.

Very truly yours,
U.S. COATINGS COLLABORATIVE INC.

By: Thomas E. Clague
THOMAS E. CLAGUE

TEC/j
Enc.

U.S. Coatings Collaborative Inc.

Consultants & Suppliers to Industry

201 MARGINAL STREET • CHELSEA, MASSACHUSETTS 02150 • (617) 884-6644

Robert M. James

This memo sheet is sized to ISO metric standard B6
125 mm x 176 mm

To:

RWF -6 3/18/81

Bob: Before we should
endorse these to clients,
they should be approved
and cleared via our purchasing
people. Please f-up
on this & advise
me of results

RMF



1501 Alcoa Building
Pittsburgh, Pennsylvania 15219

Coatings for Asbestos Insulation.

1. KRC Research Corp. (Hydroban 500E)
315 North Washington Ave
Moorestown, N.J. 08058
609-234-3060
2. H.L. Clement Co.
Sewickley, ~~MS~~ PA
412-266-9280
3. U.S. Coatings Collaborative Inc.
see Attached.

FROM JAMES E. HINES
INGOT CASTING DIVISION
ALCOA TECHNICAL CENTER - B

H & S
Industrial Hygiene

MR. HAIG G. SAKOIAN
PITTSBURGH OFFICE - 07

BDD
EER
TBB
RMJ
HGS
PHS
MJV

AUG 22 1979

MLF
JD
CCD
DB
LMN
EDS

1979-08-21

RE: REFRACTORY INSULATIONS

Per our discussion, I've enclosed the raw data from a progress report which will be issued on insulations. Included in the testing were:

1. Eagle-Picher	PV Supertemp
2. Keene	Mono-block
3. Keene	Delta T
4. Rim Products	410-03
5. International Vermiculite	IV-19
6. International Vermiculite	IV-20
7. Johns-Manville	Superex 2000
8. Johns-Manville	Superex 1600
9. Skamol	PM-10

Table I gives the chemical analysis of each insulation along with X-ray determination of the amount of free silica. Table II provides the physical and corrosion property information. Approximate pricing is also in Table II. Finally, for your files is the vendor's product sheets.

If there are any questions regarding this information, I'll be happy to discuss them with you.

James E. Hines
JAMES E. HINES

JEH:bls

Attachments - (Original only)

cc: ID - ATC, D
M. J. Caprio - Pittsburgh 19
J. W. McIntee - Pittsburgh 3 WPH
R. E. Miller/R. G. LaBar/File: 10.160 - ATC, B