

CPL: Please coordinate the evaluation of this product. See SLM for help. 11/27 NOV 26 1984 8/



AT&T
Communications

November 20, 1984

3033 Chain Bridge Road
Oakton, Virginia 22185

Mr. W. J. Schreiber
AT&T Bell Laboratories
600 Mountain Avenue
Murray Hill, New Jersey 07974

Re: Evaluation of MSDS for Staytex 4119A

Dear Mr. Schreiber:

Enclosed you will find a MSDS on unsaturated polyester resin based compound and literature on the Staytex asbestos encapsulation system.

The Staytex system was used, as a trial, to encapsulate asbestos covering I beams in our T.S.P.S. building located in Belleville, NJ.

Your evaluation of this product will be helpful in determining if we should continue to encapsulate using this process.

Sincerely,

Walter C. Meyer

Walter C. Meyer

Enclosure

cc: Daniel G. Dawson, Operations Manager

PLAINTIFF'S EXHIBIT

ATT-259

LLA 001490

STAYTEX ASBESTOS ENCAPSULATION SYSTEMS

The UNIQUE SOLUTION To Asbestos Abatement

- ... Suitable for all forms of asbestos*
- ... Provides a tough, rock-hard surface*
- ... Fast installation and economical costs*

SYSTEMS DESCRIPTION

Unique Performance

Staytex Asbestos Encapsulation Systems have been developed to provide permanent and highly cost-effective solutions for asbestos abatement. Staytex Systems are not coatings but provide a one-half inch thick structural, rock-hard shell over all forms of asbestos for permanent encapsulation and outstanding durability. The systems also provide improved thermal insulation and fire resistance to the encapsulated areas.

Outstanding Cost Effectiveness

The outstanding cost effectiveness of Staytex Systems is achieved by four primary factors:

1. Initial costs are substantially less than asbestos removal. In applications where minimum asbestos fiber release during abatement work is necessary due to facilities operations, Staytex Systems are often found to be the only acceptable solution.
2. Staytex Systems are installed quickly and in a clean manner. No solvents or free water are present which enables the materials to

be tack free within minutes after being applied. Dollars are saved since normal building operations and production schedules can be maintained with minimal disruption. 15,000 to 20,000 square foot installations have been completed in a single weekend.

3. Staytex Systems add thermal insulation and additional fire resistance to the encapsulated areas. Savings in heating and cooling costs improve the economic attractiveness of the systems.
4. The many performance features of Staytex Systems are a result of patented polymer technology and result in systems that are virtually maintenance free. Costly repair and replacement work normally required with ordinary materials is eliminated and is a primary reason why Staytex Systems are the obvious choice for many diverse applications.

For these reasons and others, Staytex Systems truly offer a unique solution to asbestos abatement.

LLA 001491

UNIQUE FEATURES AND BENEFITS

Staytex Systems have been developed and engineered to encapsulate friable and other forms of asbestos. The systems have been tested at safety factors exceeding 100 to document their ability to stay in place. For friable asbestos, the Systems are often the only solution to asbestos abatement other than more expensive removal procedures.

The Systems provide a patented, tough, rock-hard surface that withstands severe abuse.

The Systems are approved by the U.S. Department of Agriculture for food processing environments which illustrates the excellent chemical resistance and washability of the systems.

The Systems are extremely resistant to abrasion and puncture — important features in areas such as school corridors and other high traffic areas.

The Systems provide a seamless barrier to moisture and water vapor to assure long-term reliable performance.

The Systems have color throughout the material, not just on the surface. Numerous colors are available to fulfill a wide range of aesthetic requirements.

REGULATORY COMPLIANCE

Staytex Systems have been tested, listed or approved by the following organizations:

Underwriters' Laboratories, Inc.

U.S. Department of Agriculture

Food Safety and Inspection Service

Forest Products Laboratory

U.S. Department of Commerce - National Bureau of Standards

Ohio State University - Building Research Laboratory

Building Officials and Code Administrators International, Inc.

Southern Building Code Congress International, Inc.

Insurance Services Office

Hardwood Plywood Manufacturers Assoc.

Herron Testing Laboratories, Inc.

AVAILABILITY

Staytex Asbestos Encapsulation Systems are installed throughout the United States by Certified Staytex Applicators. Call or write us for the applicators near you and learn how Staytex Systems can be your optimum cost effective solution to asbestos abatement and thermal insulation requirements.

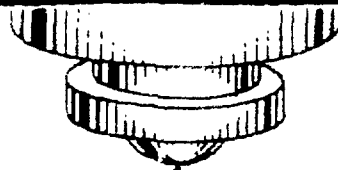


Barrier Systems, Inc.
P.O. Box 41044
Cleveland, Ohio 44141
(216) 628-2973

John A. Stahl, President

This data is based on tests believed to be reliable and is given for information only. Since conditions of use are beyond our control, we cannot and do not assume any liability in connection with the use of the product relative to coverage, performance or injury. Nothing contained herein shall be construed as a recommendation to use the product in conflict with any existing patents.

LLA 001492



INTRODUCING

STAYTEX INSULATION SYSTEMS

- **THE PROVEN, HIGH PERFORMANCE
SPRAY-ON INSULATION SYSTEMS**
- **BASED ON POLYMER TECHNOLOGY**

FROM BARRIER SYSTEMS

LLA 001493

THE UNIQUE FEATURES

SYSTEM DESCRIPTION

UNIQUE PERFORMANCE--Staytex Insulation Systems have been developed to provide the building construction industry highly cost effective solutions for industrial and commercial applications. These systems have unique thermal efficiency and other performance features that make them the most economically attractive insulation systems available with present technology.

Staytex Insulation Systems consist of rigid polyurethane foam insulation covered with Staytex 4118A surface material. The systems are spray applied on a variety of building components such as the interior or exterior sides of walls and windows, ceilings, tanks, ductwork and piping. This seamless insulating barrier eliminates air infiltration and reduces loss of heat or cold up to 85%.

TWO STEP APPLICATION

1. Polyurethane foam having unsurpassed insulating properties is spray applied at the determined optimum thickness, usually two inches or less, on the building components to be insulated. The application follows the contours of irregular surfaces and can be efficiently applied in areas having complex obstructions such as piping, conduit and steel members.
2. Staytex 4118A surface material is spray applied at a 1/16 inch or greater thickness over the urethane foam to provide a seamless, fire resistant, durable and attractive surface as well as a water vapor barrier to maintain the high thermal efficiency of the urethane insulation.

UNPARALLELED COST

EFFECTIVENESS--The excellent long-term thermal efficiency coupled with competitive initial investment costs and low maintenance make these systems very cost effective. Payback periods of two years are possible. Performance and cost effectiveness attributes of Staytex Insulation Systems are described herein to illustrate why these systems are truly unique for industrial and commercial applications.

THERMALLY EFFICIENT

Polyurethane foam has been the predominant insulation material used in cold storage equipment and buildings for many years due to its superior, long-term thermal insulating efficiency. When properly installed, rigid closed cell polyurethane foam has an "R" rating of approximately 7 per inch - almost twice the thermal resistance performance of other insulating materials. When sprayed, the urethane foam also becomes a seamless insulating barrier to air infiltration, a major source of heat and cold loss.

Because of its properties and also being spray applied, the Staytex 4118A surface provides an additional protective barrier that maintains the long-term thermal efficiency of the urethane foam by performing several key functions:

1. Staytex performs as a water vapor barrier to prevent water vapor from entering the foam.
2. Staytex performs as a barrier to moisture and other liquids which can otherwise saturate insulation materials.
3. Staytex provides a durable surface that prevents the insulation from being compressed or damaged.

Because of these various performance attributes, Staytex Insulation Systems are unmatched in their overall efficiency and effectiveness.

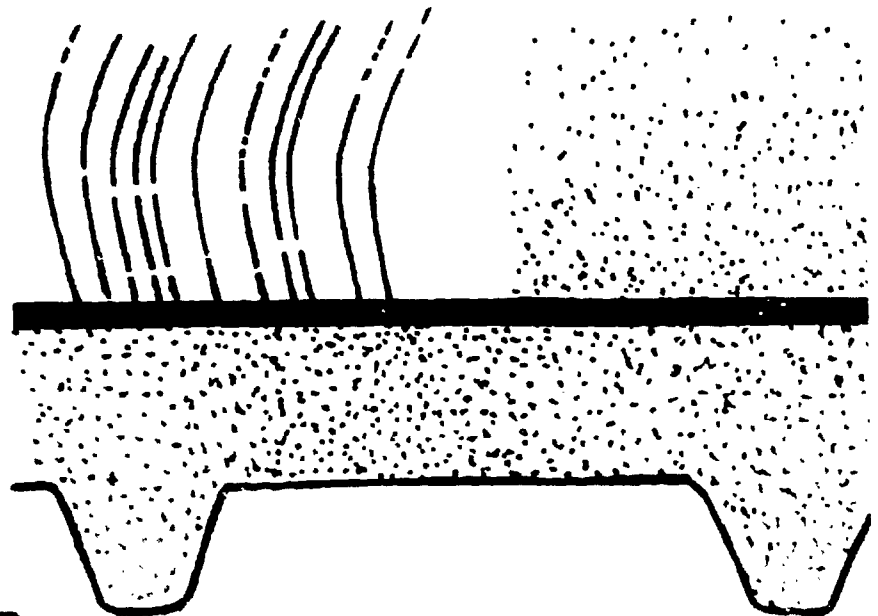
SEAMLESS WATER VAPOR BARRIER

Staytex 4118A seamless surface is a water vapor barrier having a permeability rating of .012 perm-inches when tested at 100% relative humidity and 100°Fahrenheit.

The importance of a seamless water vapor barrier over all forms of insulation can not be overemphasized since water vapor can enter the insulation and reduce its thermal resistance effectiveness. Boards and batts of insulation materials having factory applied vapor barrier films are inadequate since the water vapor enters at the edges and through punctures in the insulation surface. Staytex Insulation Systems have been used to replace other insulation materials that were moisture saturated and had lost their thermal resistance performance.

Independent testing laboratory data also have confirmed the importance of having a vapor barrier over polyurethane foam; one study has shown that the long-term "R" value was substantially higher when a proper vapor barrier was installed. Staytex 4118A is the only one-step, spray applied surface material approved for use over polyurethane foam as a combination fire barrier and water vapor barrier. This is one of the primary reasons why Staytex Insulation Systems are increasingly being specified by architects, engineers and building owners.

PRIMARY WALL AND WINDOW APPLICATIONS



STEEL AND ALUMINUM SIDING