

United States Testing Company, Inc.
Chemical Division

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- ENVIRONMENTAL
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May 30, 1990

Mr. Robert J. Montesano
International Protective Coatings
725 Carol Avenue
Ocean, NJ 07712

Dear Mr. Montesano:

This letter is meant to supplement our report #63691-5 issued to you concerning Serpiflex Shield.

The temperature resistance evaluation for a period of 30 months should, in our opinion, represent approximately 20 years of useful life. Generally speaking, 3 months at the condition ran equals approximately 2 years, therefore, 30 months equals approximately 20 years.

Please contact me should you have require any further clarification in this matter.

Very truly yours,

UNITED STATES TESTING CO., INC.

William S. Gilman
Manager
Chemical Services Division

WSG/ph



United States Testing Company, Inc.

Chemical Services Division

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REPORT OF TEST

November 2, 1989

CLIENT: International Protective Coatings
725 Carol Avenue
Ocean, New Jersey 07712

NUMBER

63691-5

SUBJECT: One white sample submitted and identified by the client as
Scrpiflex 102C cured on 19" x 3 1/2 fiberglass cloth

AUTHORIZATION:

Client's letter of March 31, 1987.

PURPOSE:

To determine the samples resistance to 30 freeze/thaw cycles, 30 wet/dry cycles and 30 months at 40°C.

PROCEDURE:

Freeze/thaw Resistance

Freeze/thaw resistance was determined by exposing a portion of the sample to -18°C in a freezer overnight and allowign it to thaw at room temperature during the work day. It was inspected daily for change during 30 such cycles.

Wet/dry Resistance

Wet/dry resistance was determined by submerging a portion of the sample in tap water during the work day and allowing it to air dry overnight. The sample was inspected daily for 30 such cycles all at 73°F and 30 to 55% relative humidity.

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SIGNED FOR THE COMPANY

BY

William S. Gilman
William S. Gilman

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CLIENT: United States Testing Company, Inc.
International Protective Coatings

Number
63691-5

40°C Temperature Resistance

40°C temperature resistance was determined by placing a portion in an oven at that temperature. The portion was inspected for changes periodically.

RESULTS:

Freeze/thaw Resistance

After 30 cycles of freezing at -18°C and thawing at room temperature, the portion of sample exhibited no change when compared with an unexposed portion. There were no deleterious effects such as cracking, flaking, blistering, etc.

Wet/dry Resistance

After 30 cycles of wetting and drying the portion of sample showed no change when compared with an unexposed portion. There were no deleterious effects such as cracking, flaking, blistering, etc.

40°C Temperature Resistance

After 6 months of exposure at 40°C the sample exhibited no change.

After 1 year of exposure at 40°C the sample exhibited no change.

After 18 months of exposure at 40°C the sample exhibited no change.

After 24 months of exposure at 40°C the sample exhibited no change.

After 30 months of exposure at 40°C the sample exhibited no change other than a very slight yellowing.

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