

SECRET - COMPANY CONFIDENTIAL

MONTHLY HIGHLIGHT REPORT - APRIL 1969
RESEARCH & DEVELOPMENT DEPARTMENT
INDUSTRIAL PRODUCTS DIVISION

I. INDUSTRIAL PRODUCTS (South Bound Brook)

A. Felts & Papers

1. Gaskets

Additional densification tests were performed on the asbestos latex gasketing (GN-704) at the Vails Gate laboratory. The calender unit used confirmed the need for large diameter rolls. A specification for a laboratory calender has been prepared and a quotation will be requested from the Farrell Corp.

2. Asbestos Millboard - Lehr Discs

Samples of special millboard developed and submitted to PPG for evaluation as discs for conveyor rolls in glass manufacturing have been approved. Another type for very high temperature service is also desired by PPG and a study is underway to provide the required formulation.

3. Asbestos Paper - Marloy

Laboratory work has been completed on development of a latex-bound asbestos paper for use as cooling tower fill. The paper must be strong, stiff and highly water absorbent. It is subsequently saturated with a phenolic resin and honeycombed by the customer. A test run at Erie is now planned.

4. Asbestos Flooring Felt (Erie)

Despite continuing laboratory effort at South Bound Brook and Erie, no process procedure has been found to achieve satisfactory tensile strength and freeness properties with the TCD carboxylated SBR latices. TCD R&D personnel are scheduled to visit South Bound Brook to review the program.

B. Insulation

1. A slight reduction of the lime - silica ratio has been made in the standard "inhibited" Calsilite formulation and improved strength characteristics are being realized.

2. Reducing Dusting Tendency

The laboratory program to develop a coating to reduce the dusting tendency of Calsilite is continuing. This would be advantageous from a handling standpoint. Work done to date indicates that only organic coatings give the desired result but none has been found that does not discolor and char excessively when subjected to high temperature.

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