January 15, 1965

1965 RESEARCH PROGRAM

BUILDING AND INDUSTRIAL PRODUCTS DIVISION

PLAINTIFF'S EXHIBIT GF-1591

A. MINERAL FIBER LABORATORY

1. Low Density Siding (P.R.A. 573A - $4,000 balance)

During the first half of 1965 we will be concentrating on test runs and the production of test quantities for field evaluation. If equipment needs are met we could be in a semi-commercial stage during the latter half of 1965. An additional P.R.A. of $10,000 will be required. This program will include work on 12' product and a minimum investigation of Tedlar Surfaced Clapboard.

2. Dura-Color and Dura-Shake (P.R.A. 577 - $5,000)

Some work will be done on reformulation and we will continue our technical service function to the plants to maintain adequate quality levels.

3. M/F Roofing (No P.R.A. required yet)

Present plans call for a change-over to an improved clear resin surfacing on normal cure products.

4. Material Evaluation

The usual evaluation of pigments, fibers, cements, mails, competitive products, complaints, etc. will continue.

B. ASPHALT LABORATORY

1. Class "A" Shingles (M.R.A. 221 - $2,500)

Main objective will be to get Bound Brook product through Underwriters' fire tests. This should be accomplished soon and we will then be working on process control and cost reduction.

2. Fishmouthing (No P.R.A. required yet)

Work will continue in the laboratory and the plant towards the objective of manufacturing shingles with reduced fishmouthing potential.

3. Self-Sealing Shingles (P.R.A. 562 - $1,500 balance)

Evaluation of one component adhesive system will continue. Considerable product evaluation will be necessary as each plant starts to produce shingles with release paper.

4. B.U.R. (P.R.A. 58A - $5,000)

We hope to devote more time to field study of B.U.R. complaints and couple this with laboratory investigation of less critical systems.

5. Paints and Plastics (No P.R.A. required yet)

Continuing laboratory evaluation of product from the various plants leading to recommendations to achieve improvement in quality is indicated.

6. Material Evaluation

The usual evaluation of flux, granules, B.U.R. Asphalts, Black Line Products, complaints, and competitive products will continue, as well as required service to plants.

C. SPECIAL PROJECTS LABORATORY

1. Calsilite (P.R.A. 581 - $2,500)

Laboratory effort will continue to be directed towards the development of a product containing inhibitor for chloride cracking. There is also much that can be done from the standpoint of improved density control and reformulation to reduce costs.

2. Organic Flooring Felt (P.R.A. 585 - $5,000)

Assuming Mannington maintains their interest, we will be working in the laboratory and plant to produce non-asphaltic flooring felt having the required characteristics for Mannington's cushion floor product.

3. Asbestos Paper (P.R.A. 579 - $5,000)

We hope to achieve commercialization of Asbestos Flooring Felt including the installation of equipment to provide adequate smoothness. Work will also continue on gaskets and other specialties.

4. Gypsum - Fire-Rated (M.R.A. 217 - $5,000 balance)
Vinyl-Covered (M.R.A. 586 - $1,000)

We will be working with the Wheatland people to manufacture and obtain label service on fire-rated Gypsum. We will also help with evaluation of initial runs of vinyl-surfaced Gypsum.

5. T/NA (P.R.A. 582 - $2,500)

We will continue to study the laminating operation from the standpoint of utilizing improved laminating adhesives and obtaining further reduction in shrinkage potential. In the case of T/NA 100, we should achieve commercialization of low vapor-barrier product.

6. Sound Control (P.R.A. 583 - $5,000)

Work will continue with market development people and the sound consultant to establish the use of our mastic products in doors and panels.

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7. Millboard (P.R.A. 580 - $500)

We are working with North American Asbestos on the development of an amosite millboard. We will also devote minimum development time to brake lining for Thermoid.

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