

**PLAINTIFF'S
EXHIBIT**

K-1023

Mr. R. J. McSwry

November 11, 1966

R. F. Shannon

**KAYLO RESEARCH AND DEVELOPMENT
WEEKLY REPORT**

Week of November 7

1. The stress corrosion batch formulation, which will be poured at the Berlin plant for duPont sampling and for test marketing, was optimized. Minor modifications to the batch and mixing techniques designed to overcome process difficulties encountered during the first plant trial were evaluated. The changes being made in the batch will, in no way, adversely affect its stress corrosion inhibiting properties.
2. At the request of the plant, controlled experiments were run on a Kaylo batch formulation containing an alternate and lower cost source of diatomaceous earth. Initial test data indicates it does not adversely affect strengths of K10 Kaylo, although the batch prehardens slower than the batch containing the diatomaceous earth now being used by the plant. Granville test results confirm those obtained by the plant on initial production trials. Substitution of this lower cost diatomaceous earth could save the plant as much as \$30,000.00 to \$40,000.00 per year.
3. The study to reduce or eliminate inert "K" reducing opacifiers from the stress corrosion batch was continued. If successful, higher strengths and/or lower costs should result. Initial indications are a substantial cost savings is possible, since the opacifiers can be replaced with Kaylo dust without adversely affecting strengths.
4. Technical consultation was provided: (1) Product Development - low cost molds for automotive, (2) International Division - glass fiber-sulfur composites, (3) Process Development - gypsum reinforcement, (4) Glass Research - fire rated tile binder compositions, (5) Newark Plant - process changes on R-2 tile and (6) Product Development - inorganic coatings for roof insulation.

Work Scheduled for Week of November 14, 1966

1. Marketing Team meeting scheduled for November 17 at Berlin plant to review stress corrosion program and to plan test marketing and duPont follow through.
2. Process meeting scheduled with plant personnel to review current problems and to plan program to eliminate those problems which currently are having the greatest effect on costs and efficiencies.

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3. Meeting scheduled with United States people to review problems encountered with their lower cost diatomaceous earth.
4. Controlled laboratory experiments to be run on K17 and K20 batch formulations intentionally contaminated with silicic acid glass to determine whether and how greater a problem the plant will have once they get into production on the stress corrosion batch.
5. Initial planning of the program directed toward eliminating asbestos for Kaylo will get under way.

R. F. Shannon

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