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R. S. Grant
W. K. SidwellSubject KAYLO PROJECTS

There are several places where we need the help of your engineers to get some programs under way which will help reduce offware in the Berlin Plant, which in turn will increase their gross margin. There is a tendency for some of these to slow down, when most of the effort is directed to inclusion of glass fibers in Kaylo slurry. We are only several weeks away from incorporating glass fibers in production, so these others can proceed.

- (1) Check the 1" molds, 2 x 1 through 6 x 1 and see what has to be done and how much it would cost, to cut 1/8" from each side of the core, as it extends over the opening between the core and the sidewall of the shell. The purpose is to increase this width by at least 1/4" or more if it can be done. This will allow for a wider opening in both the hand pouring nozzle as well as the experimental 3/6" pouring device, which will reduce clogging from long glass and asbestos fibers. The core lip cannot be entirely removed, for it induces hard stripping, if the screeded Kaylo is flush with top edge of core and increased breakage results.
- (2) Breakage of ends and edges occur, when stripped, when physical shrinkage is low; when spacers are hard to remove; when spacers are not in large size tri-seg molds. This comes from resistance to easy removal, when a spacer end, bar or other metal fixtures are used to pry Kaylo half section upward to secure release. We began, almost a year ago, to try a vacuum head type of suction cup, with fair success. We did not have a sufficient head of vacuum nor did we spend enough time to develop the correct type of head or harness for overhead handling of cups. Without checking, I would say "broken corners" has been an offware defect for 25% of all total offware for a long time. You can readily see the savings, over equipment cost and installation to be secured here, by pursuing this project to a successful conclusion.
- (3) A recent audit of Kaylo products, selected as to size and production and type, at random, resulted in an improvement of last audit. This was most encouraging. One thing that stood out was the dustiness of Kaylo light density block and the auditing group recommended that this condition be corrected. H. V. Smith gave us the assignment for improvement. We have a method and a way to do this, by using a light spray of Ludox, to one or both sides, as the decision is made to do. How to secure the space at the end of the flatware finishing line, is the problem. Conveying equipment, perhaps to a higher level and return, through a heating unit to set Ludox, before packing, is the engineering work needed. Spray equipment is not a problem.

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- (4) We have contemplated the increased use of Kaylo Dust in regular light density slurry. This gives adequate strengths when used with amosite asbestos. We will have the 36" Bauer Mill dry fiberizing changes completed week of 2/19. This is a further advantage. The more dust we can use, the greater the batch extender and the lower the cost. We have used 500 lbs. dust on all of the recent coated glass fiber trials, so these results show it can be used. The engineering need is to enlarge the present dust hopper to weigh a maximum of 800 lbs, from present 500 lbs. The system will have to be resurveyed to make certain blowers, valves, etc., are large enough to move and weigh 800 lbs. within the gathering time available. These minutes will have to be checked on batch floor. The plant engineering and maintenance group do not have sufficient time to do this work, hence our request for your group's assistance.

These four projects are immediate and should be followed through as quickly as personnel and time are available, for three of them, (1), (2), and (4) will greatly assist in reducing Berlin's plant costs, which on reduced operation schedule, will be of great assistance to them. We can discuss at your availability. All except item (3) are in our Kaylo Improvement Program.

O. W. Pfeiffer

OWP:mrw