

LABORATORY COMMITTEE MEETING

July 11, 1963

Messrs: R. W. Higgins
T. S. Clousing
J. W. Hosbein
H. B. Speelman
E. R. Marden
R. L. Hosbein
J. A. Buettgen

Gentlemen:

The meeting was called to order at 10:30 a. m. on July 11, 1963 in the Aurora Laboratory conference room. The next meeting will be held in the same place August 1, 1963.

ACTION TAKEN ON REGULAR AGENDA:

1. E13-B TEMPERATURE GRADIENT COMPARATOR

Harbison-Walker test data sent to Mr. Higgins by Mr. Cobaugh has been turned over to Mr. Marden for evaluation. A report will be made to the committee upon completion.

Mr. Higgins will turn over to Mr. John Hosbein photostats of comparator drawings for transmission to our patent attorneys. One drawing is of the original conception and the other is a drawing of the current comparator now in use at our laboratory.

2. E32-A DEVELOPMENT OF "MS" WALLS AND ARCHES

The plastic "MS" nose model is now scheduled for early August erection. Tile, plastic firebrick, castings and steel have been ordered. This model must be ready for Sales Meeting scheduled for August 13 and 14th.

3. E36-B ABRESIST CEMENT

The cement approved for use with Abresist is the same formula as that used in DRISEAL with a set of approximately 2½ hours.

Because of possible applications of Abresist to concrete and brick as well as steel Mr. Marden will conduct tests to determine the reaction of the cement, if any, to this type of construction.

4. E38-A DRYING OUT DATA

Final report on this project is now being readied.

5. P3-B SUPER 711 - RESEARCH

Nothing new reported except that Johns Manville tested asbestos and were unable to come up with any answers.

The following is the new procedure in product control testing and reporting. Every product manufactured will be tested at least once per month. A report will be made monthly on the average of tests in addition to indicating the "low" and "high" results.

6. D2-B PYROSCAT

No change in this project from previous report.

7. E39-A REFRACTORY HANGER WALL TEMPERATURE STUDY

Final report made and distributed.

8. D1-B DECRETE - CALCRETE

Mr. Marden reported on the re-run of the Decrete 40 and 50 and it now appears that enough information is available for developing a data sheet.

9. E41-A REFRACTORY CASTABLE FACED BLOCK INSULATION FOR DETRICK PANEL CONSTRUCTION

Mr. Marden requested, and was granted, an additional 10 days to complete tests and "burns" on several promising materials.

10. E42-A MINERAL WOOL BLOCK INSULATION

Final report made and distributed.

11. E43-A TEST FURNACE - DETRICK-DENNIS-RICE HULLS

Mr. Speelman reported that the L. P. Gas Company will loan tanks for use on this project. We are, however, required to pay for gas used and any regulators, if required.

Mr. Buettgen reported that rental fans are not available in Aurora. Prices were submitted on new fans. A check will be made on used fan prices.

MISCELLANEOUS

Mr. Speelman exhibited samples of block and felt combinations cemented together to form a single unit. Test specimens had been submitted to direct heat (on Griptex Block portion) with favorable results.

Mr. Speelman stated that the primary purpose of the tests was to develop an insulation combination which would give the same, or better, insulation results than all Griptex Block and at the same time provide a substantial price differential when quoting competitively.

Additional benefits possible, from the combination unit, are lower costs since felts cost less than block.

Contractor will have a single unit application.

More effective insulation through felt layer.

Respectfully submitted,
M. H. DETRICK COMPANY

J. A. Buettgen
R & D Laboratory

JAB:va
Copies to: Mr. L. Hosbein
Mr. C. F. Pollen
Mr. H. Rowley
A U R O R A FILE