

EE-1 Comparative Competition Testing FORDHAM REPORT

April 3, 1959

Tuesday, March 31, 1959, H.B. Speelman, K. McDonald, R. Frangol, and R.B. Abell tested four materials for hot application. These tests were run on exposed steamlines with a surface temperature of approximately 390°F.

Tested were Eagle Pitcher "66" Insulating Cement
 Baldwin Hill Super Powerhouse
 M.H. Detrick "711" Insulating Cement
 M.H. Detrick "Utility Finish"

Results were

On underside of a horizontal 2" pipe either "66" or "711" would stick if a job were held in place for 20 or 30 seconds. Neither Utility or Powerhouse would stick under any conditions in this position.

On vertical 6" pipe again the "66" and "711" would stick if held against the surface for a short time but neither of the other two cements would work.

We were able to get both "711" and "66" to hold completely around a 2" horizontal line by starting at the top and working around but in reality the cement was sticking only to itself rather than the hot pipe. This same method of application would not work with the other two materials.

On a 6" vertical pipe we were able to apply via Utility and Superpowerhouse by starting with pads of "66" or "711" that acted as anchors to hold the other material.

Conclusions: On a hot application the "66" or "711" are non-hydraulic cements would probably be the materials to use. We found that the amount of hot application was non-existent and that much more time would be taken to apply the same amount of material hot than it would cold. We could discern no appreciable differences in workability between the two types of like cements.

Respectfully Submitted,

M.H. Detrick Co.
LABORATORY

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