

Stamp #77
Exp. 1959

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L. E. Schlusser

F. M. Stamp

CAFECO SPECIFICATIONS

In view of a recent competitive audit on our sprayed fibers, the serious coverage complaint by the E. F. Byrnes Company, and a series of SOUND-SHIELD complaints, we are reviewing the formulation and specifications and are preparing to make the following changes. Should you take exception to any change, please advise the writer.

The cohesive strength of CAFECO HEAT-SHIELD at the lower applied densities are somewhat weak, and therefore we intend to increase the cement content from the present 2 to about 4%. This difference does not appear to detectably change the coverage. The bulk density will be tightened from 6.5 - 8.5 to 6.8 - 8.3 lbs. per cu. ft. Sieve analysis limits are also to be placed on the product.

CAFECO SOUND-SHIELD - Complaints with this product were on lack of hardening, non-uniform shade, and our observations of large pellets. The lack of hardness is usually a function of water used, density and drying rate. Some laboratory results, however, indicate that longer mixing, or laboratory mixing results in a harder mass. This may be due to better distribution of binders. Our present product is larger in pellet size and consequently lighter in density. We intend to place a sieve analysis limit other than that set by U.L. which will require a smaller sized product. The bulk density, which is now 11 to 13, is to go to ~~12~~ - 13.5 lbs. per cu. ft.

BLAZE-SHIELD - This product currently calls for a bulk density of 8 to 10 lbs. per cu. ft. It is intended to limit this density to 8 to 9.5 lbs. per cu. ft. and to also place a sieve analysis limit on it.

Raw Materials.

Mineral Wool - The wool specification for the old mill called for a maximum of 8% retained on a 3/4 inch screen. The wool presently going into the storage bin varies between 6 and 50% retained on the 3/4 inch screen. This wool is then somewhat decreased in size as it goes through the augers. We plan to see what practical specification limits can be placed on this raw material.

Asbestos

Early in 1958, Ruberoid 5D asbestos was placed on the approved list along with JM 5D Special since the two had equal characteristics both by research tests, and by a sieve analysis at U.S. Testing. Since there were no limits, quality control tests were not made on the material and it is not known to what extent the quality changed during use. We are planning on a sieve analysis, bulk density test and a wet bulking test to be carried out.

In the past CAFECO materials returned were examined only for physical characteristics which did not give a complete picture. We intend to set up a procedure for chemical analysis which should show a more complete picture, but will also require extra laboratory testing equipment such as a sensitive balance etc.

P. Verhoef