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Georgia-Pacific



intracompany memo

to Mr. E. B. Hollingsworth

location Wilmington

from C. A. Spear

location Marietta

subject Asbestos-free Ready-mix

date 5/20/77

No major problems have been encountered in regard to our Asbestos-free production. All quality tests have been satisfactory. However, we find that the Asbestos-free is requiring more mixing time than the Asbestos formula, and subsequently, our production rate has dropped about ten batches a day (five pr shift). The Asbestos^{FRE} requires a entirely different mixing cycle. Water, Elvace, Nalco and filler is added to the mixer. The filler is mixed until it is lump-free. At this time, Acrysol (a liquid thickner) is added to the blended filler, and mixed until it reaches the pumping viscosity of 120 $\pm$ 20pts.

Retain samples indicate a viscosity rise of 120pts - 160pts after 24 hrs. We have experienced some problems regarding a humid bond. Bond tests indicate about 80% fiber tear at 12% moisture (readings were taken with a model DC-10 moisture register). However, at this level (12%) a 100% tear is noted with our old Asbestos formula. Even at a 7% level (considered dry) the asbestos-free does not yield as strong a bond as the Asbestos formula. Subsequently, we have raised our Elvace loading to 136lbs (formula usage) - 142lbs pr batch to insure a satisfactory bond.

We have yet to hear any field reports concerning its market acceptance. At such time any information is received you will be advised.

CAS.
C.A.S.

cc: Mr. A. J. Petraline - Wilmington
Mr. J. B. Moss - Wilmington
Mr. C. W. Lehart - Tigard
Mr. W. N. Gettel - Tigard
Mr. G. F. Fowler - Marietta
Mr. R. V. Favero - Marietta

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