



MEMORANDUM

PLAINTIFF'S EXHIBIT

BIR-868

To A. G. Marsh
From J. A. Hixon
Date September 22, 1980
Subject PERCENT FILLER - GLASS MAT BASED SHINGLES

cc: F. W. Wood
F. Clark —

For several months the average percent filler of glass mat based shingles generally has been under the 50% established minimum at FK. The standard percent filler is 55%. This was pointed out in a memo to FK dated 7/21/80.

It is absolutely necessary to have this filler content in order to pass the U/L Class A fire tests. I feel that we should run to the standard 55% to insure that our material will pass.

Low percent filler was considered one of the contributing factors in the failure of the glass mat based Architect 70 to pass the U/L Class A fire tests.

Be sure you discuss this with your Manufacturing Manager and follow it carefully yourself.

JAH/ma



BIRD 013412