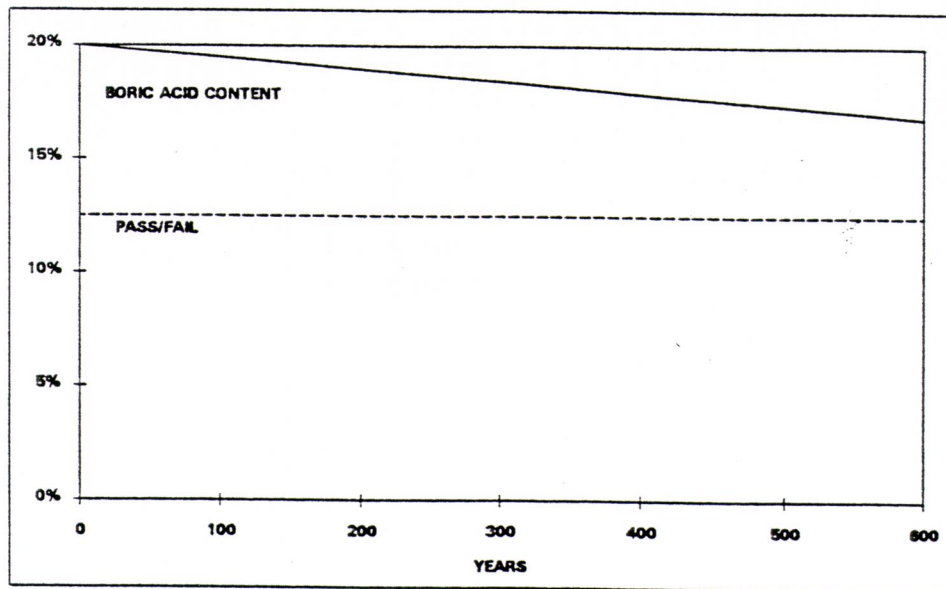


FIRE RETARDANT PERMANENCY

ICC utilizes state of the art process technology in the manufacture of K-13, SonaSpray "fc", Celbar and Ure-K. The primary fire retardant used by ICC is boric acid, an extremely stable material used in many industries for its proven fire resistance.

ICC products meet all permanency tests formerly outlined in the following specifications: ASTM C-739, HUD UMB 80, and HH-I-515D. After years of extensive research, The American Society of Testing and Materials, determined there was no evidence of deterioration of the fire retardant additive of products meeting applicable ASTM fire performance standards. Consequently, the new standard performance specifications contain no requirements for fire retardant permanency testing.



In a paper presented at the 5th International Thermal Insulation Conference of 1989 in San Francisco, Dr. D.W. Yarbrough and Dr. Nan Chiou documented their study on this issue. Their testing concluded that subjecting boric acid treated cellulosic insulation to the extreme conditions of 158 degrees F and 100% humidity 24 hours per day for over 600 years there would be no appreciable change in the fire retardency.