

MOIST – A PC Program for Heat and Moisture Transfer

MOIST is a personal computer program that predicts one-dimensional heat and moisture transfer in building envelopes. It predicts local moisture content in various layers of the envelope construction for specific times of the year. A user of MOIST will be able to easily define a wall, ceiling, or low-slope roof construction, and to determine this defined construction's moisture content. It can also determine whether a vapor retarder is needed and, if so, where it should be placed. MOIST can be used to evaluate the effect of various paints and wall coverings on moisture accumulation. The program also allows a user to electronically "move" a wall or ceiling to a different U.S. or Canadian city to investigate the effect of climate on moisture accumulation. MOIST was developed at the National Institute of Standards and Technology and released into the public domain in September, 1993.

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