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RESEARCH OF BACTERIAL ANTIFUNGAL DECORATIVE BOARD USED IN SPACE MANNED
CABIN

Abstract

In this paper, a bacterial antifungal decorative board with high strength low density is used to solve the decorated problem of manned spacecraft and space lab, then this program is optimized and verified. In this program, nano silver solution and emulsion of composite fungicides (contain OBPA) were added to the phenolic prepolymer which is used to impregnate honeycomb and the epoxy phenolic prepolymer which is used to impregnate glass fiber laminated cloth respectively by a certain percentage, after strong stirring, the bacterial antifungal decorative board was made according to honeycomb plate molding process. The antibacterial rate of decorative board sample reached 90%, mildew level reached A, and the physical properties not been affected.