In this study, an antibacterial sweat pad was designed for the feet and some functional and comfort characteristics of the product were investigated. Top sheet of the pad was coated with two natural-based antibacterial materials (cinnamaldehyde, geraniol) and one commercial antibacterial zinc-based agent. Besides standard physical characteristics, research was focused on antibacterial performance, sweat removal and comfort performances of the sweat pad as these were crucial requirements for health and comfort of the feet especially with functional clothing. According to the results, performance of the cinnamaldehyde is quite good in case of antibacterial activity and comparable with the commercial product. Significant changes were observed for liquid absorption period, capacity and wetback performances of the designed pads that cinnamaldehyde coating increased absorption period and synthetic antibacterial material decreased wetback performance. Coolness and dampness evaluation results of forearm test gave significant differences especially for dry forms of the pads.

**Key Words**: Antibacterial foot sweat pad, thermal comfort, liquid absorption, forearm test.