

Abstract

The present invention discloses a method for coating gum of self-adhesive mat with spaced-apart gum, using a mat body, gum layers being spaced apart on a bottom surface of the mat body, including the following steps of: weighing raw materials of components in a determined proportion, stirring uniformly by a stirrer that supplies hot air for dehumidification, conveying the mixture to an extruder through a screw, thermally melting by the screw extruder, extruding from rectangular discharge ports formed at intervals on the extruder and vertically falling onto an upper roller (the roller surface is a smooth surface) of a rolling and combining device, passing a mat body from an unwinding device to a lower roller of the rolling and combining device, rolling the mat body by adjusting a gap between the upper and lower rollers by a lead screw, forming self-adhesive gum layers, which are spaced apart from each other, on the back of the mat body. The gum using hydrogenated styrene-butadiene block copolymer (SEBS) as a main raw material coating on the bottom surface. According to the present invention, the gum is able to adequately adsorb the mat onto the floor due to its good flexibility, and allow the mat to move without affecting the adsorption effect due to its good detachability. Meanwhile, the mat is non-toxic and environmentally friendly, can be washed repeatedly without affecting its self-adhesive adsorption effect and can be reused. It is of great significance for the development of mats.

No Figure.