

ABSTRACT OF THE DISCLOSURE

POLYMERIC FOAM SUBSTRATE AND ITS USE AS IN COMBINATION
WITH DECORATIVE SURFACES

A polymeric foam composition is provided for use as a substrate in decorative compositions having at least one decorative layer on the substrate, wherein the substrate is prepared by foaming a composition made of (i) a resin matrix of one or more polymers selected from acrylonitrile-butadiene-styrene (ABS) polymers, polycarbonates, polystyrenes, polyphenylene oxide and polyvinyl chloride polymers, preferably obtained from recycled plastics, and (ii) a filler, using one or more blowing agents. The resulting foam composition has physical and mechanical properties sufficient for its use in place of fiberboard or particle board in the preparation of various laminate based decorative products, such as laminate flooring, solid surface laminates, countertops, etc.

FIGURE 1