ABSTRACT

EMULSION POLYMER BLEND

This invention relates to an emulsion polymer blend comprising fror percent by weight, preferably 90 to 60 percent by weight, of at least one firs which is multi-stage comprising from 95 to 50 percent by weight, preferabl percent by weight, of at least one soft stage polymer having a Tg less than 5 preferably less than 10°C, and from 5 to 50 percent by weight, preferably 25 percent by weight, of at least one hard stage polymer having a Tg from 20° 160°C, the Tg of the soft stage polymer being lower than the Tg of the hard polymer, characterized in that there is provided from 5 to 60 percent by we preferably 10 to 40 percent by weight, of at least one second latex, the secor not forming a film at ambient temperature.

The emulsion polymer blend of this invention can be used to formu variety of aqueous coating compositions, such as for example, paints, mast caulks, sealants, varnishes, floor polishes, and the like. The emulsion poly of this invention is also useful for formulating an aqueous coating compos which is coalescent-free.