

CARPET AND LAYERED BACKING FOR DIMENSIONAL STABILITY AND INTEGRITY

Abstract

A carpet structure and backing of superior dimensional stability and integrity which is especially useful in a free float system of installation. In one aspect of the invention, a carpet is provided having a selected dimensional stability in which there is (i) a first carpet part having a primary layer with pile substantially covering a first side of the layer, the pile tufted through the primary layer to leave tuft bundles on a second side of the primary layer and a binder encapsulating the tuft bundles, the first part having a predetermined force of expansion and contraction under cycling conditions of temperature and moisture; (ii) a second part in layered relationship to the first carpet part, the second carpet part constructed from one or more layers to have a predetermined resistance to expansion and contraction at least equal to or greater than the force of expansion and contraction of the first carpet part under cycling conditions of temperature and moisture and traffic loads on the carpet pile.

Figure 4