

BIOCEL / ENVIROCEL

Polyurethane Carpet Backing



Dust and Dirt Beneath the Surface

Routine and scheduled maintenance on commercial carpet is designed to remove dry soiling particles which abrade and discolor the face fabric. However, dry soil which filters through conventional commercial carpet backing can be more difficult to remove. Such particles eventually accumulate underneath the carpet and create a permanent source of dust, dander, and particulate – as well as a potential source of micro-organic contaminants and odors.

Unlike conventional latex backing, BioCel* and EnviroCel* polyurethane carpet backings provide dry soil resistance between the carpet and the secondary backing. By impeding dry soil penetration to the subfloor, you reduce potential maintenance and hygienic problems.

Sample Construction

In an independent industry laboratory, tests were conducted on two commercial broadloom carpet samples. Samples having the same face construction were manufactured with a conventional latex and BioCel* polyurethane carpet backing.

Soiling Agents

Ten grams of a synthetic soil formula were applied to the carpet surfaces.

Sim Floor Test

Samples were subjected to 4,000 cycles of the Sim Floor testing equipment, which subjects carpet samples to simulated foot traffic. A white cotton cloth was placed under each sample to disclose the amount of dry soil material allowed to pass through the carpet samples.

Dry Soil Penetration

The carpet sample with conventional latex backing allowed dry soil to pass through, leaving a visible stain on the cotton cloth. No visible soil penetration was observed with the samples manufactured with the BioCel* polyurethane backing.



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