# BEAULIEU COMMERCIAL

# Cloud Era and Hologram Collection
## PP Bitumen

**Yarn and Texture**

In terms of color saturation and gloss, the PP yarn that we use for this new collection performs almost the same as nylon. A closer look at the product proves that it does bring the touch of nylon carpet tile. The colors used in the tiles you received are exclusively extruded for Beaulieu Asia.

**By using a 6 by 6 1/12 gauge machine (4 by 8 is commonly used)** more complex patterns can be created. It increases the density of the product and makes it less fragile.

**Primary Backing:**

One of the big issues of bitumen carpet is bitumen seepage, which is difficult to control. Bitumen tends to come up quite easily through the face yarn during production, which results in yarn contamination.

This is the reason why most Chinese carpet manufacturers do not want to risk making bitumen carpet tiles with light or solid colors. It's difficult to control the quality and may result great amount of yarn wastage during production.

With this new product, **we increased the thickness of primary backing and increased the density of the face yarn** and by adding additional adhesive and after multiple test runs, we have solved this problem.

**Secondary Backing:**

**Improved bitumen formula: a higher percentage of bitumen and lower percentage of sandstone resulted in enhanced flexibility and does not tend to crack easily when folded.** By adding 140g non-woven backing underneath, size stays stable. The tile can stand up to 80 degrees Celsius without shrinking or expanding

Currently 300-1000 grams cushion backings are also provided as an option.

**Weight and Density:**

Most light-weight bitumen carpet tile available in the market tends to have curling issues. **By bringing up the weight (at least 60 grams heavier) and increasing density**, we can better prevent this issue.
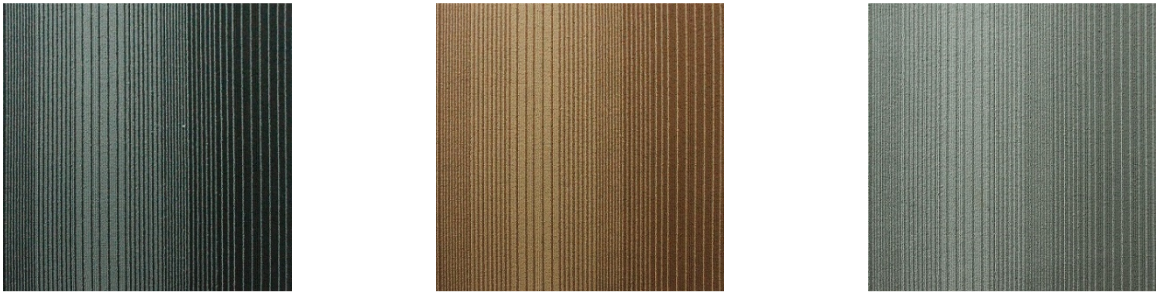
**Fire Rating:**

Upon request we can manufacture the carpet tiles to meet the Class 1 (ASTM E-648) flooring radiant panel to give it access to the most demanding project specifications.

# Cloud Era I

# Cloud Era II

# Hologram