

HOSPITALITY | PUBLIC SPACE

Shanghai Pudong
International Airport
Shanghai, China



Shanghai Goes First Class Right Down to the Carpet Fiber

- Travelers are experiencing something new underfoot in the recently constructed Terminal Two (T2) at Shanghai's Pudong International Airport. This is the first airport in China to install broadloom carpet in the passenger waiting areas, gateways, VIP lounges and duty free shop. Durability and acoustical properties were key features impacting the design decision. The facility features more than 100,000 square meters of a Bentley Prince Street custom loop pile carpet manufactured with Antron® Lumena™ solution dyed nylon.

CASE STUDY:

Shanghai Pudong International Airport Shanghai, China



One of the design team's main objectives was to create a cozy and quiet environment for public areas in the airport. After consulting with other global airport authorities in the Asia Pacific region, the project team decided to install carpet instead of conventional hard flooring with the intent to reduce the noise level in the passenger gate waiting areas.

Several airport authorities who were consulted for the project had recently installed carpets of wool/nylon blend. The Construction Project Team of the Shanghai Airport Authority responsible for the yarn specification wanted to learn more about fiber options to ensure they selected the best combination to withstand the heavy traffic generated by more than 40 million passengers annually.

"As the first airport in China to install broadloom carpet, it was important to educate the authorities on the variety of yarn specifications available to ensure

they selected a carpet that would exceed their expectations," said Kevin Zhang, end use marketing manager, China, INVISTA. "This airport will become a benchmark model for other airport and public space renovations in China in the future."

To help the Construction Project Team write the specification, INVISTA organized a resource seminar, 'Specify and Select,' to educate airport representatives on how to write yarn specifications for carpet bidding documents.

Additionally, members of the Airport Service Company met with INVISTA representatives to learn how to maintain carpet manufactured with nylon. The result was a better understanding of why regular maintenance programs add to the long-term durability of the carpet.

"After seeing the red beverage stain demonstration, we found out carpet maintenance begins with fibers," said Ping Zhu, facility manager of terminal management company under Shanghai International Airport holding Group.

Following the seminar, the Construction Project Team selected Antron® Lumena™ solution dyed nylon for the carpet specification because it offers durable colorfastness and excellent stainresistance.

"Antron® Lumena™ carpet fiber is an amazing fiber with a hollow square shape designed to resist soiling. In addition, its internal voids refract and diffuse light to reduce the effects of soiling. The tighter molecular structure of Antron® carpet fiber provides

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— Ping Zhu, facility manager

exceptional resistance to liquid stains, pile height retention and resistance to matting, crushing and abrasive wear. All of these attributes did relieve our original design concern about installing carpet under extremely heavy traffic with more than a hundred thousand passengers per day," said He Rong, duty director of interior design of Shanghai Xian-Dai Design Group ECADI.

With the exceptional durability and sustainable attributes of the carpet, the beautiful Bentley Prince Street design featuring Antron® carpet fiber should offer non-stop performance for many years to come.



→ Antron® Lumena® Type 6,6 solution dyed nylon withstands heavy soiling, frequent spills and stains, exposure to intense sunlight and harsh cleaning chemicals.

To learn more, contact your local Antron® Fiber Consultant or visit antron.net.

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