

## HEALTHCARE

Showa University  
Koto Toyosu Hospital



Carpet: Sangetsu NT7303 Fresco (medical ward hallway) / NT7201 Harmony (special treatment room)

A tile carpet  
that  
embodies  
hospitality

- Brick-colored and welcoming, the stately Showa University Koto Toyosu Hospital overlooks a canal in Tokyo's Toyosu district. It opened in March 2014 with high expectations as a regional medical institution that specializes in care for women and children, as well as a university hospital that offers leading-edge medical care. With its green park-like surroundings, advanced disaster support and low environmental impact, the hospital represents a new era in medical center design.

## CASE STUDY: Showa University Koto Toyosu Hospital

### Calm, comforting facilities

Showa University Koto Toyosu Hospital places an emphasis on pediatric, obstetric and perinatal care and strives to provide a comfortable environment for women and children. It is also designed to offer disaster support in the event of calamities in Koto Ward and Tokyo. Surrounded by water and greenery, and featuring natural ventilation and Eco Void spaces that lower environmental impact, Showa University Koto Toyosu Hospital is an advanced eco hospital ahead of its time.

Atsushi Kodama, Facility Director at Showa University, explained "our Chairman of the Board and President worked with the architect to determine the direction of the building's unique exterior and interior design. The brick-colored wall tiles are the predominant color of the Showa University campus. And the interior takes advantage of wood from Koto Ward, which has been renowned throughout Japan since the Edo Era as a large repository of timber. These features were emphasized in the building's architectural design". The facilities were also designed to offer pleasant spaces for visitors with a comfortable, relaxing atmosphere reminiscent of a hotel. Toward this end, Sangetsu NT7200 carpet made from Antron® fiber was selected for the floors in the outpatient reception area, ward hallway and elsewhere.

"We did closely examine other floor material options that would match the warmth of the lighting and wood paneled walls, but only carpet could match our demand for color tone and walking ease".

### Easy to clean and disinfect

Carpets used in hospitals must offer sound insulation and shock resistance in addition to durability and exceptional functionality during washing and disinfection. Tile carpet is advantageous for partial cleaning because portions can be removed for special treatment in a cleaning room when on-site cleaning is insufficient. The cleaning room at Showa University Koto Toyosu Hospital features a dedicated machine for carpet cleaning and maintenance.

"After analyzing the actual results of cleaning and maintenance, personnel in charge of disinfection at the university hospital have developed a high regard for the functionality of carpet tile, specifically Antron®



Lumena™ carpet tile, for convenient individual tile removal and replacement after necessary cleaning and disinfection with harsh cleaning chemicals after biological spills and stains."

The Sangetsu tile carpet is made from Antron® Lumena™ solution dyed type 6,6 nylon that features inherent, durable stain resistance to most common foods and beverages as well as stain resistance to biological spills and stains. Highly stable pigments incorporated into the polyamide matrix during the spinning process give each color of Antron® Lumena™ solution dyed nylon outstanding fade resistance to sunlight and harsh cleaning chemicals. Further, the four holes within each Antron® Lumena™ fiber filament refract and diffuse light, enhancing soil hiding capabilities, and the small surface area of the hollow filament fiber shape minimizes soil accumulation to make cleaning easier. This carpet also offers outstanding performance in terms of design and color. Showa University Koto Toyosu Hospital provides care for patients on a 24-hour basis. Adjacent to the 2020 Tokyo Olympic Games stadium, and near the new Toyosu fish market that will replace Tsukiji fish market, this general hospital is expected to contribute to the community's growing prosperity and the carpet covering its floors is lending solid support.

*"We are well prepared for measures against infections, such as norovirus, and the hospital's tile carpet is made from Antron® Lumena™ solution dyed type 6,6 nylon that features ease of maintenance and disinfection."*

– Atsushi Kodama, Director  
Showa University, Facility Management



**Atsushi Kodama**  
Director

Showa University, Facility Management

Facility name: Showa University Koto Toyosu Hospital

Carpet material: Sangetsu Co., Ltd. NT series  
1F, 2F hallway: NT7104 Misty  
Medical ward hallway: NT7303 Fresco  
Special treatment room: NT7201 Harmony  
(Antron® Lumena™ solution dyed nylon)



→ Antron® carpet fiber has an innovative hollow filament fiber shape that helps hide soiling. Internal voids refract and diffuse light, enhancing soil hiding capability, and the small surface area of the hollow filament fiber shape minimizes soil accumulation, making cleaning easier.

To learn more, please find your local contact below or visit [antron.net](http://antron.net).

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