





Architecture, Building and Construction

Senzoku Gakuen College of Music Silver Mountain E-Cube



Location	Kawasaki, Japan
Environment	Outdoor
Grade/surface	SUS445J2
Designer/architect	K/o design studio + KAJIMA DESIGN
Material supplier	Nippon Metal Industry
Source of information	JSSA

Senzoku Gakuen is a private institution in Kawasaki, Japan, which operates a school of music, a junior college, primary and secondary schools, and a kindergarten. The school of music was established in 1967, but adopted its present name in 2003, and offers under-graduate and graduate courses. The photograph depicts the rehearsal studios, a bulbous, free-form structure, built with a concrete base, covered with ferritic grade SUS445J2 stainless steel. The designers, K/o Design Studio and Kajima Design used the latest 3D programming technologies which made it possible to construct the free-form structure, utilizing the optimal fit for the 8,000 pieces of stainless steel cut to irregular sized sheets. A characteristic of the structure, known as the "Silver Mountain" is the moderate luster of transparent-coated ferritic stainless steel and the beautiful scale-like twisted patterns on the surface. This new application for stainless steel is expected to have a great potential in the future. At night-time, RGB colour lighting (RGB is an additive colour model in which red, green, and blue light are added together in various ways to reproduce a broad array of colours) gives the structure a fantastic, ever-changing, appearance, quite different from the way it looks during the daytime, and it has become a new attraction of for the college. A new area of expression has been opened through a computer-aided innovative way of utilizing stainless steel, which has previously been better known as an industrial product.