

Kuala Lumpur Sports Medicine Centre gets luxury wall treatment

TSI Engineering Sdn Bhd, a member of TSI Group Malaysia, has been firmly established since 1993 as a leading provider of a selected range of architectural building products, building system and specialised services to the Malaysian building and construction industry and a major exporter to Southeast Asia and the Gulf region.

With many years of solid experience in the industry, TSI Engineering Sdn Bhd has developed a comprehensive range of surface protection system for the hospital industry. Called the "Wal Guard Surface Protection System", the product offers a new solution to a perennial problem in hospitals, i.e. damage found on doors, walls, kiosks, lifts, counters, or areas subjected to constant wear and tear, resulting from high pedestrian and trolley usage.

TSI Engineering has completed many projects in Malaysia and around the world. The new Kuala Lumpur Sports Medicine Centre (KLSMC), which opened its doors in October 2005, is the latest healthcare facility to be installed with the Walguard Protection system from TSI Engineering Sdn Bhd. The KLSMC is a one-stop centre for sports injuries which places a great emphasis on quality and first-class health care.

At the KLSMC, TSI Engineering Sdn Bhd provided the Wal Guard Handrail system and the Wal Guard Corner Guard system to meet the demanding requirements of the facility.

Handrail system

The Wal Guard handrail system was specified to protect the fragile dry walls within the building, which are designed with circular dry walls column as well as to enable patients to move more freely. The handrail was installed along the corridors, in common areas, at the staircase and ramp to make the centre more accessible to those with physical disabilities.

Corner Guard system

The Wal Guard Corner Guard System provides a replaceable, scratch-resistant surface for wall corners along corridors in the KLSMC. The interior features of the KLSMC, including the flooring, are tastefully decorated with imported high quality wood to create a sophisticated and comfortable ambience for visitors and patients. The Wal Guard Corner Guard System protects the wood columns from damages resulting from high pedestrian traffic, wheelchairs or trolley usage.

Material

The Wal Guard Handrail system consists of a continuous with 2.2mm thick extruded alloyed class aluminum support with



a vinyl acrylic adjustable mounting bracket that enables it to withstand a great deal of abrasion. The vinyl acrylic covers, which snap on the aluminum, are designed with a slip-resistant surface texture.

The Wal Guard Corner Guard system, manufactured from a high quality vinyl acrylic material, is able to withstand the heavy impact from the movement of trolleys. The corner guard is also designed in textured finishes to provide an anti-scratch, durable and aesthetic surface.

Both the Wal Guard Handrail and Corner Guard are weather resistant and flame retardant.

Colour selection

For the KLSMC project, TSI Engineering Sdn Bhd created a colour pigment to match the interior designer's colour code specifications as closely as possible. A new colour called "Barley" was used for the Wal Guard system to match the wood grained furniture and wood flooring in the building.

Installation

With many years of experience, TSI Engineering Sdn Bhd executed the project in several stages to prevent the dry walls from damaging and the floors from becoming dirty. Installation works were carried out without major disruption to the activities at the KLSMC. TSI Engineering Sdn Bhd installed an enforcement system behind the dry wall partition to further strengthen the Wal Guard Handrail mounted on its surface.

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