

# Project Profile

## IKEA Furniture Mart - Carpark, Malaysia



The IKEA Home Furnishing first opened in Malaysia in 1996 in a shopping centre in the suburb of Kuala Lumpur. IKEA Home Furnishing is based on offering a wide range of well designed, functional home furnishing products at prices so low that as many people as possible will be able to afford them.

Business grew and IKEA decided it was time to build their mall. In 2003, IKEA completed building their retail mall at Mutiara Damansara with 100,000m<sup>2</sup> of retail space.

For the basement 2 carpark floor, the consultant designed it as a non-suspended slab. The carpark floor was constructed by Zacklim Flooring Sdn Bhd, a flooring specialist using a Somero 160 laser screeding machine. The slab was 125mm thick and was reinforced with 20kg of Scanfibre CHO80/60 NB. Mr. Lim, the owner of Zacklim Flooring was a firm believer of steel fibre reinforced concrete floor as he has experienced a lot of problems with wire mesh floors, especially at the joints. IKEA engineers too recognized the problems that joints provide and hence request for wider joints spacing.

With the Scanfibre CHO 80/60 NB high performance steel fibre with aspect ratio (L/D) of 80, the joints spacing was increased from 8m x 8m to 16m x 16m. The slab performed well with negligible shrinkage cracks occurring even after 4 years of repetitive loading from the passenger cars which numbers by the thousands everyday. Total floor area for the Scanfibre reinforced floor slab was 40,000m<sup>2</sup>.



The information given is based on knowledge and performance of the material. Every precaution is taken in the manufacture of the product and the responsibility is limited to the quality of supplies, with no guaranty of results in the field as Scancem Materials has no control over site conditions or execution of works.

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Products For Engineered Concrete

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