

Project Report

Subaru Headquarter, Singapore



All-wheel driving pleasure on the Subaru roof top in Singapore.

Project Data

Area: ca. 1.300 m²

Circuit length: 180 m

Construction Year: 2005

Owner: STI Motors Pte Ltd

Landscape architect/
Project management:
Ong & Ong

Contractor:
Yi Fong Construction Pte Ltd

Coordinates:
1°20'24.88"N 103°51'33.17"E

Conception

The 6th floor of the Subaru Headquarters features a rooftop described as "Asia's first multi-terrain test track, where customers can witness and feel Subaru's AWD technology in action". There are three different areas within the roof design, each representing a distinctive landscape, i.e. a tropical rainforest, a rock garden and a desert. Challenging obstacles were built along

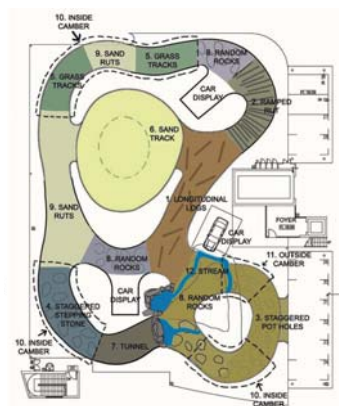
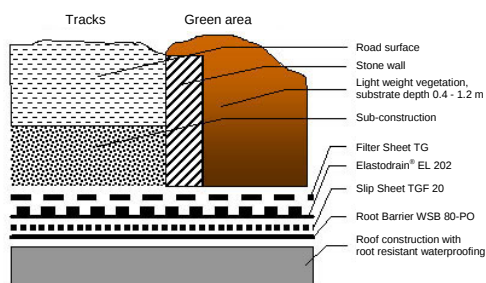
the circuit, such as humps, rocks, a sand trail and even a waterfall.

The all-wheel drive test track was installed on top of the heavy duty drainage element Elastodrain® EL 202, which offers excellent protection to the waterproofing membrane and even caters for wild cornering. Besides, it provides for perfect drainage, most important during heavy tropical rain.



View from a neighbouring building onto the roof of Subaru headquarters.

System Build-up



The sand track allows a smooth gliding. Rocks, wooden sleepers, etc. were also integrated within the circuit.

Development



Elastodrain® EL 202 was fully laid above the Slip Sheet TGF 20.



Features such as ramps and bridges were built on top of the protection and drainage layer.



Local palm trees were planted in a 1,20 m deep substrate layer.