



42 Brakel® Eura smoke vents

New distribution centre Moresport Cape Town fire safe

With EN 12101 smoke ventilation

Moresport is a successful chain of specialist Sportwear and Camping equipment retailers. In order to assure that stores in the Western Cape region are well stocked at all times, a new 10.000 m² distribution centre was built. South African building regulations stipulate smoke ventilation which has to be in compliance with EN 12101. Engineering company Aurecon and Certified Brakel Partner Quality Power provided a solution that meets requirements and that is functional and cost effective.

Mr Pieter Gräbe, consulting engineer at engineering service company Aurecon, states: "Fire safety is taken seriously by the city of Cape Town. That is why we provided a solution that would offer a safe and compliant solution to Moresport."

Flammable goods in high rack storage

Pieter Gräbe continues "Moresport distribution centre requires high rack storage for their highly flammable products. Local fire regulations stipulate that sprinkler fire protection as well as smoke ventilation is required".

Safe escape and good visibility fire fighters

Although the warehouse is occupied by a small number of people who are familiar with the escape routes, proper smoke ventilation is essential as it houses a large quantity of flammable goods. The clear layer was specified at one meter above the height of the racks which is 12 metres. Fire fighters will have good visibility on arrival in case of a fire incident, in order to effectively extinguish the fire. The building was divided into six zones and smoke vents had to be installed to extract smoke.



P. Gräbe, Aurecon

"Besides the fact that the smoke ventilation system satisfies the local government requirement it also offers a functional, cost effective solution."

Added value: natural ventilation

"Besides the fact that the smoke ventilation system satisfies the local government requirement it also offers a functional, cost effective solution. The 42 Brakel® Eura vents have daily added value because they are also used for natural ventilation", Peter Gräbe adds. Staff members utilise the manual opening features of the vents in summer to provide cooling effect through natural ventilation.

Cooperation Aurecon and Quality Power

Pieter: "Quality Power offered a working solution and we are satisfied with the quality and certification of the Brakel® Eura products. Furthermore I am satisfied with the service from Quality Power."

