



## ***Outdoor, protected smoking areas for hotels and clubs***

### **TAYLORS LAKES FAMILY HOTEL**

J.W. Sadler Architects specialise in the design of hotel and clubs. To solve the dilemma of bans on smoking within gaming and dining areas, we were commissioned to create attractive protection for legions of smokers being banished outdoors.

#### **Design considerations**

The area to be covered was an external courtyard, enclosed by walls on three sides. Prerequisites of the design included:

- No obstruction through use of a central post.
- Engineered to utilise existing steel frame of building on one side to remove the need for additional posts
- Ventilation through the top of the structure to allow dispersal of smoke
- No dripping from the edges of the membrane
- Visually attractive and able to be backlit for eye catching effect from the adjacent highway.

#### **Fabric Selection**

A waterproof fabric was required that would be light enough to allow sunlight to come through. The structure also needed to be easily cleaned. Mehler Haku FR700 was chosen due to having a PVDF coating on both sides (Teflon) that ensures that the structure would self clean.

#### **The Result**

The area structure uses a "flying mast" that uses tension to suspend the centre of the structure high in the air. Universal beam was used at the perimeter of the structures to absorb the huge loads of the structure and serve as a gutter for water, which is then directed through the vertical columns down into a garden. Under lighting, the structure is nothing short of stunning and was awarded a nomination in the national industry design awards.

#### **Call us today**

We will be happy to discuss any project with you. To arrange a site assessment, or to find out more call Horizon Sailmakers on

**1 800 654 000**

