

Press release

Splash & Spa Tamaro

Waterpark with pneumatic membrane cover from formTL

Radolfzell, October 2013. The three white, variously formed domed structures at the foot of Monte Tamaro in Rivera, Switzerland (Tessin) are an awe-inspiring sight. However, the architectural design of the Splash & Spa Tamaro waterpark, which was officially opened on 15 June 2013, is not the only impressive aspect. The interiors of the three themed domes also offer diverse attractions: over an area of 2,500 m², the largest dome houses a wave pool with a children's area as well as a pool bar and restaurant. In the second dome, a number of water slides provide fun for children and adults alike. Visitors to the third dome can relax and pamper themselves in a wide range of saunas, steam baths and hammams.

The structure supporting the three domes features steel lattice girders (arranged radially) which run hidden between two membranes. The inner membrane of silicon-covered glass fibre and the outer membrane of PTFE-covered glass fibre were fastened air-tight onto the steel structure. A higher air pressure in the interspace causes the outer membrane to form outwards into a flat curve, taking up the dome's curvature. An aluminium vapour-coated low-e sheet is strung between the two membrane layers in order to reduce thermal radiation loss. During the day, the membranes create a bright and cheerful atmosphere in the inner space. In the evening, the artificial lighting in the membrane interspace impressively sets off the dome structures both inside and outside.

formTL was responsible for the overall planning of the membrane envelope.

Pressestelle

Proesler Kommunikation GmbH
Karlstraße 2
72072 Tübingen
Germany
tel. +49 (0) 70 71 234 16
fax +49 (0) 70 71 234 18
info@proesler.com
www.proesler.com

Membrane surface area:

Outer membrane (all three domes) 6,700 m²

Inner membrane (all three domes) 4,700 m²

Dimensions

- Dome area AQ (swimming pools) around 2,500 m²
- Dome area WE (wellness) around 550 m²
- Dome area SA (slides) around 990 m²

Materials

- Outer membrane of PTFE-covered glass fibre:
St.Gobain Sheerfill II
- Inner membrane of silicon-covered glass fibre:
Interglas Atex 3000

Client: Credit Suisse, Zurich/CH
Architect: Suisse Projects, Mezzovico/CH
Main contractor: Garzoni S.A., Lugano/CH
Planning of steel support: Airlight Ltd., Biasca/CH
Membrane manufacturer: Canobbio Spa, Castelnuovo Scrivia/I
Membrane planning: formTL, www.form-TL.de

For further information

formTL ingenieure für tragwerk und leichtbau gmbh
kesselhaus | güttinger straße 37
78315 radolfzell | germany
tel +49 7732 9464 0 | fax +49 7732 946494
info@form-TL.de

Text length

approx. 1,500 characters

Reprint permitted – please provide Proesler Kommunikation with a sample copy

The text and images are available for download as a zip file at:
http://download.proesler.com/formtl_splash&spa_tamaro.zip

Photos and images: formTL



The three dome structures dominate the view of Splash & Spa Tamaro from outside.

Photo: IMG_5327



Entrance

Photo: IMG_5232



Wellness and slide dome

Photo: IMG_1864a



Artificial lighting in the membrane interspace ensures an atmospheric setting.

Photo: IMG_5247



Photo: IMG_5237



A run-around light-band provides the dome with additional daylight. Photo: IMG_1805



Chutes permeate the membrane. Photo: IMG_1854



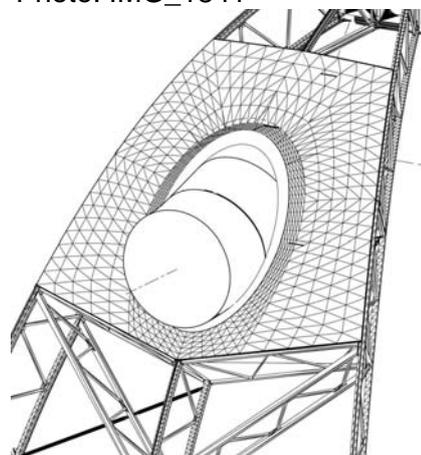
With its minimalist design, the wellness dome entices visitors to relax and recuperate. Photo: IMG_1830



Photo: IMG_1841



The broadly spanned membrane roof lends the dome atmosphere. Photo: IMG_5265



Spatial image of the support structure large and membrane permeation.