



## Lightweight glass-reinforced plastic benefits Ferrari Land

Ferrari Land in Salou, Tarragona, Spain, is the second amusement park of the Italian brand in the world. The design of this 70,000 m<sup>2</sup> theme park is striking, with even more three-dimensional shapes than the first amusement park, located in Abu Dhabi. The central building simulates the front of a sports car with a futuristic, spectacular design.

### **Glass-reinforced plastic**

The massive structures of the amusement park need to be robust, but naturally cannot weigh too much. Low weight was therefore a crucial point for the designers from MIRAPLAS, a Spanish-based company specialized in composite materials for construction work. With more than 40 years of experience within the field, and under the brand name Look Composites, the company manufactures all kinds of parts for construction and other applications using glass-reinforced plastics, also known as GRP, or fiberglass. With these materials it is possible to manufacture innovative shapes where the only limit is the imagination of the designer.

### **Strength and low weight with** *Divinycell P*

Although most of the structures were made using monolithic materials, some parts required more advanced technology to avoid deformation and buckling. To keep strength without adding weight, MIRAPLAS chose the PET core

*Divinycell P60*

from Diab for these parts of the spectacular designs.

*Divinycell P*

is ideal for construction, such as interior paneling, floors and exterior panels for trains, trams, buses and coaches. Apart from being lightweight, the material also boasts good mechanical and Smoke & Toxicity properties.

### **Technical expertise**

Ferrari Land is not the first project in which MIRAPLAS and Diab have cooperated, and it will most likely not be the last. Superior materials in combination with renowned excellent technical services make for a winning combination.