

Park Oceanographic

TYPE OF APPLICATION: Shotcrete - Shell Structure

LOCATION: Valencia (Spain)

DATE OF CONSTRUCTION:

ENGINEER: Alberto Domingo Cabo

CONTRACTOR:



Description of the project

A combined reinforcement was used for a thin shell structure in the oceanographic park Valencia (Spain). 50kg/m³ Dramix® RC-80/35-BN (end-hooked, length 35mm, diameter 0,45mm) and a single mesh Ø8-15cm were applied. Due to the curvature and the limited shell thickness of 6cm to 12cm it would have been very difficult to install a complicated traditional reinforcement in an accurate and safe way. Concrete was applied by shotcrete technology. With the chosen combination, both serviceability and ultimate limit state could be designed.



Solution with Dramix®

Fibre type:

RC-80/35-BN

Concrete thickness:
thickness from 6cm to 12cm

Concrete quality:

Project size:



infobuilding@bekaert.com
www.bekaert.com/building