

**PRESS RELEASE**

**Unique Flexbrick® roof on the Campclar Sports Pavilion (Tarragona)**

- For this facility, which was inaugurated on the occasion of the 18th Mediterranean Games, Flexbrick® made a new ad-hoc piece that is especially adapted to a ventilated roof, resulting in significant energy savings.
- The Barcelo-Balanzo BD Architectos studio is responsible for this project.

Barcelona, July 19, 2018. – The Bb Architectos studio chose Flexbrick® for the roof on the Sports Pavilion at Campclar (Tarragona), which was remodeled on the occasion of the **18th Mediterranean Games**. The 5,720-m<sup>2</sup> roof was made and completed in just 40 days. The introduction of the Flexbrick® system and its fast construction helped to manage the inconveniences of the complex features the project entailed on an administrative level, due to the delays of the games, which were initially planned for 2017 and were finally held between June 22 and July 1, 2018.



*Image of the Flexbrick® roof on the Campclar Sports Pavilion*

For this roof, Flexbrick® designed a special square piece. The shape of this piece enabled a lower chamber to be configured and implemented as a ventilated roof system. This allows for a notable improvement to the thermal insulation, enabling better evacuation of the heat accumulated from the sun and the consequent energy saving in cooling the stadium. The ventilated roof also helps to avoid pathologies.

Special fastenings were developed for the roof to complement the usual dead-load ballasting. By means of a basket-shaped arrangement from the concurrence on the joint

diagonals, an adequate solution with rectangular meshes was implemented to the double curvature of the roof designed in the form of a recessed dome.

Once again, the versatility of the Flexbrick<sup>®</sup> ceramic fabric offers a large number of design options that can be adapted to the needs of each project.



***Campclar Sports Center***

***Technical data for the roof of the Campclar Sports Center, headquarters of the 18th Mediterranean Games***

Measured square meters: 5,720 m<sup>2</sup>

Number of sheets: 795

Average length of the sheets: 6 m

Dimensions of the ceramic pieces: 30 x 30 x 6 cm

The fretwork weave at 100%

Material of the ceramic parts: Face view Red

Mesh: Galvanized steel

Project execution time: 40 days

*Architects: Antoni Barceló – Sandra Balanzó from the Bb Architectos studio*



### **Flexbrick ceramic material**

This material was created by the architect Vicente Sarrablo, director of the Technical Department and Head of the Ceramics Department at the International University of Catalonia's School of Architecture. Developed by two companies in the ceramic sector in Spain –**Piera Ecocerámica and Cerámica Malpesa**– Flexbrick is an industrially produced system based on flexible sheets with ceramic, metallic, glass, wood and other elements to create pavement, cladding and lightweight lamellar structures. The ceramic textile speeds up construction and opens up a new range of possibilities for architectural dry cladding systems. This system allows you to “dress” façades, roofs, open areas, etc. Architects can customise their design according to the needs of each project. Numerous architectural firms have used Flexbrick for their projects, including: Archikubik, Blur Arquitectura, Michèle&Miquel, Pich Architects, PMMT, Juan Trias de Bes –TDB Arquitectura and LG Arquitectos, ArchiKubik, Atelier Galante, just to name a few.

Further information: [www.Flexbrick.net](http://www.Flexbrick.net)