



COLORED CONCRETE WORKS™

Case Study

Project:
Bodega Antión,
La Rioja,
Spain



A winery and work of art.

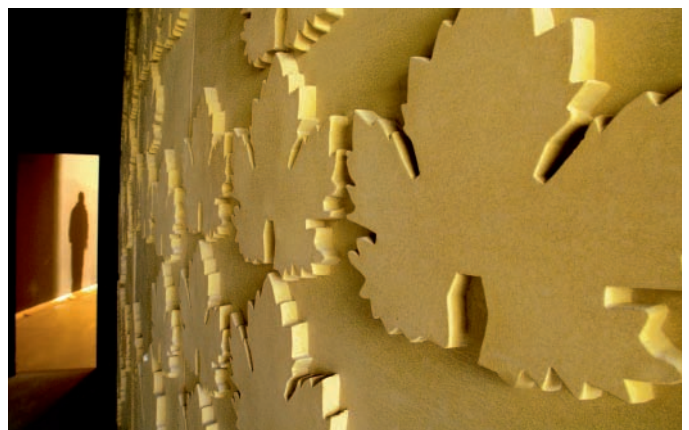
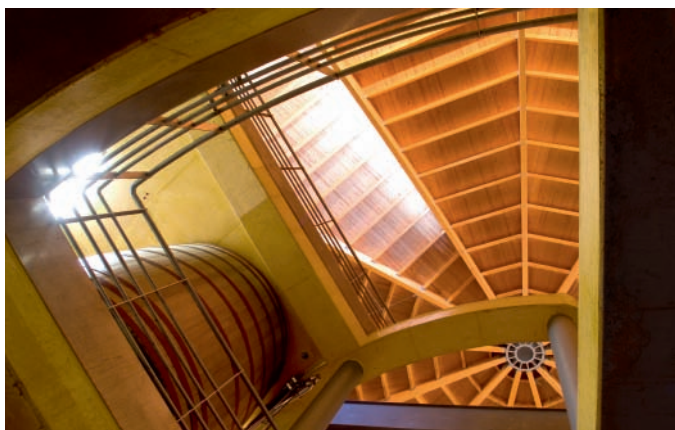
A bodega that bewitches the senses.

In developing the concept for the Bodega Antión in Spain, internationally renowned architect Jesús Marino PASCUAL focused on creating much more than just a site for wine production. Rather the bodega's architecture therefore unites three basic elements: the production and presentation of high-quality Rioja wines, a restaurant for an exclusive gastronomic experience and luxury hotel accommodation. The Bodega Antión is like a "walk-in vine" that not only offers visitors a complete wine experience, but also represents an architectural work of art.



Once pressed, the wine has to be stored and allowed to age undisturbed. This requires an appropriate building with a constant atmosphere. Like the roots of a vine, the storage halls are buried deep in the ground. Thanks to its dimensions, this solid underground construction also provides an impressive backdrop for displaying the wine.

The other tone of the concrete flows throughout the structure and echoes the architectural approach of integrating differing levels and spaces into the overall concept.



**The integrative power
of color.**





The “public” section of the bodega is constructed above ground.

Overcoming topography through architecture.

In tackling this project, the architect faced a major challenge. A plot of land measuring 18,127 m² not only had to accommodate production and storage areas for up to 1 million liters of wine per year, it also had to integrate twelve luxury suites, an exclusive restaurant, a wine-tasting area, administration facilities, meeting rooms and a wine shop. In order to incorporate all these areas in a building covering 12,165 m², he overcame the topographical constraints using a sequential construction technique incorporating several levels placed next to and on top of one another.

In addition – and in keeping with the concept of a vine – all functional and operational facilities were constructed underground while the “public” section was created above ground. The bodega is perfectly integrated into the landscape, as the complex echoes the shape of the dip in the ground. One key element that creates a sense of continuity between all sections of the building is its color.

Two atmospheres: Below ground, a twilight, peaceful world with a constant climate created by solid walls sunk deep into the earth. And above ground, a building complex designed for light and public access.

“Color has an immense integrative power.”



Jesús Marino PASCUAL

*Architect:
Jesús Marino PASCUAL*

*Members of the
technical team:
J.M.P. and Partners*

*Miguel Blanco,
technical architect*

G.E. Installation engineers

The art of coloring concrete quickly and easily.

Simple production.

To produce the ocher-colored concrete (Ready Mix), the iron oxide pigment formirapid® yellow, based on Bayferrox® 920, was mixed into the concrete. This mixture was produced in situ in a mixer on the construction site so that the color desired by the team of architects could be produced easily and cleanly.

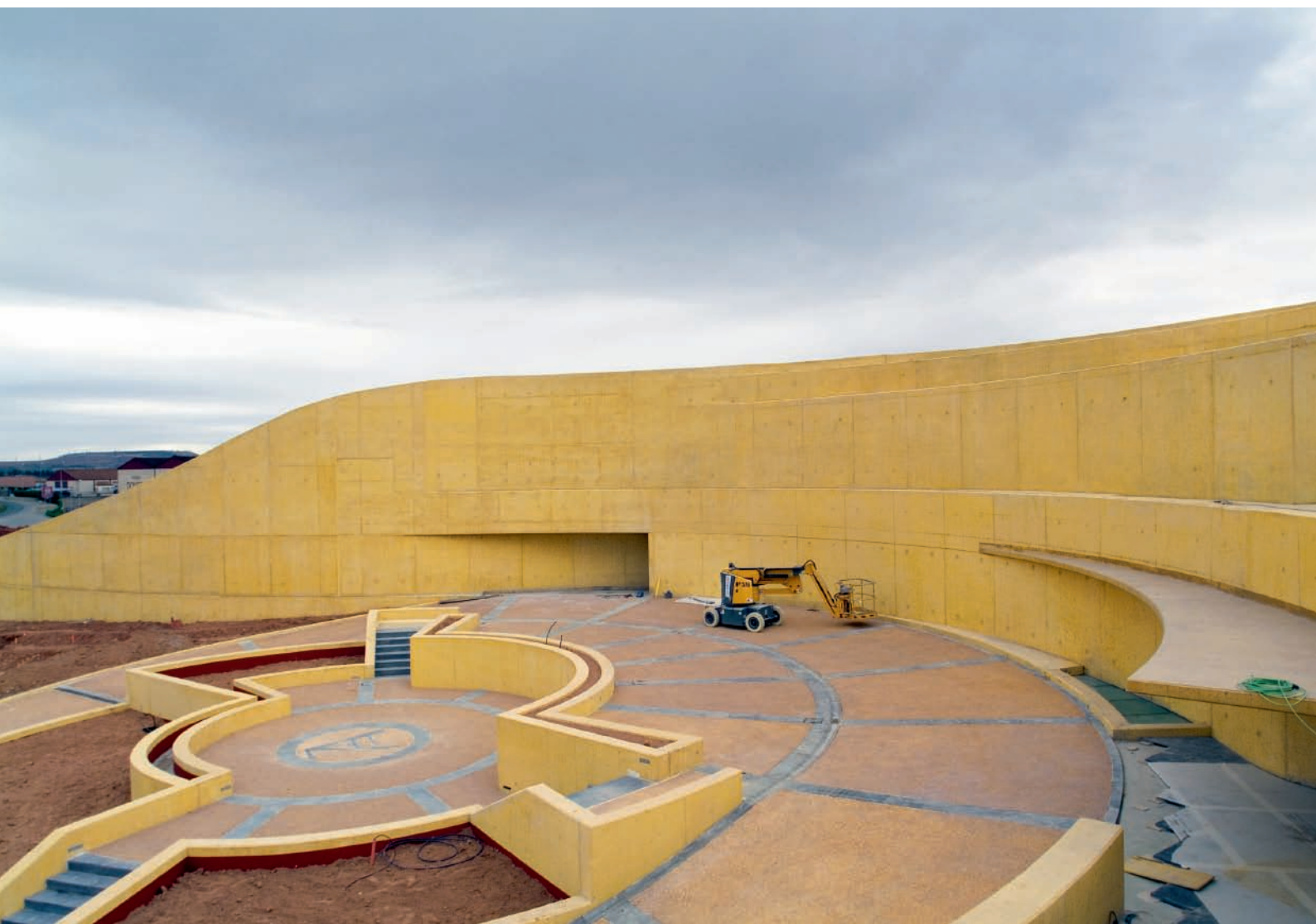


formirapid® yellow – a high tinting strength pigment with excellent dispersibility.

The 12,000 m³ of concrete required for the project was colored with formirapid® yellow (preparation based on Bayferrox® 920) which corresponds to an overall consumption of 120 tons. The product is manufactured by the Spanish company Europigments, a member of the LANXESS Group. Packaged in water-soluble 10-kg paper sacks, the product can be added directly into the concrete mixer. Only 10 kg (= 1 sack) was required to color 1 m³ of concrete.



The wave-like contours of the ground follow the shape of the surrounding vineyards, while the dynamic architecture echoes the contours of the terrain.



For more information contact our LANXESS country representative.

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LANXESS
Energizing Chemistry



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Data sheet

Project:
Bodega Antión,
La Rioja,
Spain

Project data



Location

La Rioja, Spain

Client

Proconsol Bodega Antión, S.L.

Implementation

Architect:
Jesús Marino PASCUAL
Technical team:
J.M.P. y Asociados S.L. - Arquitectura
Miguel Blanco
G.E. ingenieros e instalaciones

Contractors

ACCIONA

Construction time

2004–2007

Area

14,166.70 m²

Pigment

formirapid® yellow, based on Bayferrox® 920

Quantity

12,000 m³ concrete

Delivery form

10-kg paper bag for 1 m³ colored concrete

formirapid® yellow, manufactured with Bayferrox® 920 from the LANXESS Inorganic Pigments business unit, is a high tinting strength pigment with excellent dispersibility. Packaged in water-soluble 10-kg paper bags, the product can be added directly into the concrete mixer. 10 kg (= 1 bag) was required to color 1m³ of concrete. It is produced in Spain by Europigments, a member of the LANXESS Group.



**formirapid®/
Bayferrox® 920**

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