

CONTRACTOR  
**Coop. Diemeci**

DESIGNER  
**Filippo Giustiniani**



FASSA BORTOLO SYSTEMS AND PRODUCTS

Dehumidifying System

- KB 13
- S 650
- SD 111
- LS 122

**FASSA S.r.l.**  
Via Lazzaris, 3 - 31027 Spresiano (TV)  
tel. +39 0422 7222 - fax +39 0422 887509  
[www.fassabortolo.com](http://www.fassabortolo.com) - [fassa@fassabortolo.com](mailto:fassa@fassabortolo.com)

**FASSA  
BORTOLO**  
QUALITY FOR BUILDING

## TYPE OF WORK

Restoration of damp  
masonry

Renovation of plaster and  
finishes



An unmistakable landmark in the Treviso hills to the left of the river Piave, San Salvatore castle - originally belonging to the Collalto noble family - offers an imposing walled and turreted figure on the hills overlooking the town of Susegana and plains below, right down to the Venetian lagoon.

The main source of degradation of the building's plaster was due to rising damp on the ground floor and in the basement areas, while on the remaining surfaces the existing plaster had deteriorated, or in some cases was missing, both as a result of its age and due to leaks through the roof.





*Interior room*





*Main façade of the castle*

In the areas affected by rising damp, after having identified by chemical analysis of some samples of plaster the type of salts that had caused the degradation, it was decided to treat the surfaces - after complete removal of the old plaster - with S 650 bio undercoat from the DEHUMIDIFYING SYSTEM. This product was chosen due to its specific characteristics: resistance to sulphates, salt inhibition, substrate consolidation and adhesion bridge for the subsequent plaster.



*The same room seen before and after plastering*



*Main façade of the castle*

As regards the base coat plaster, the choice was dictated by the need to find a product that had a similar composition to the existing plaster: this indeed was a requirement of the commission for cultural heritage. The product used was KB 13, a bio plaster made from natural lime and graded aggregate. Due to its particularly natural properties, this plaster has obtained ANAB-ICEA certification.

KB 13 was also used for reconstruction of the degraded areas, as being lime-based, it was able to integrate perfectly with the existing fifteenth-century plaster.

Similar attention was paid to the choice of the coloured finishes, and hence a decorative lime stucco from the Decorcalce line was used in the interiors, so as to obtain smooth and glossy surfaces with elegant marble tones and shadow effects, ideal for such prestigious structures.

For the exteriors, then, the same philosophy was adopted, using LS 122 lime-based smooth coat with satin finish, this too belonging to the Decorcalce line.



FASSA BORTOLO PRODUCTS



**KB 13**  
Bio base coat lime plaster with marmorino effect, for interiors and exteriors



**S 650**  
White bio undercoat for the restoration of damp masonry, for interiors and exteriors