



PROJECT SHEET

**Restoration of the Russian Orthodox Church
of Christ the Savior**

SANREMO, ITALY

THE PROJECT

The tender concerned the conservative restoration of façades and the domes (central and lateral) of the Russian Orthodox Church of Christ the Savior, Saint Catherine Martyr, and Saint Seraphim of Sarov.



Owner _____

Parish of Christ
the Savior

Architect _____

Laura Re

Contractor _____

Formento Filippo Carlo S.r.l

Duration _____

12 months

Delivery date _____

August 2019



TECHNICAL APPROACH

Current state:

The coverings of the five bulbous domes (or lanterns), made of concrete and clad in ceramic, were polychrome on the smaller domes and gilded on the main one. They showed advanced signs of deterioration. Many facade elements were also affected by detachment risks and imminent collapse due to water infiltration, which had caused oxidation of the iron reinforcements and cracking of the decorative concrete in multiple areas.

Restoration:

The restorers mapped the surfaces to be treated and carefully cataloged detached fragments or those at immediate risk of falling,

particularly decorative concrete elements near rusted iron bars, now exposed to the air.

The first operation involved treating the iron reinforcements with a passivating agent, followed by restoration and plastic integration of the missing parts, with simultaneous bonding and hinging of the reconstructed portions.

Mortar tests for joints and reconstructions were conducted using various proportions of binder and aggregates with different particle sizes. In collaboration with the Soprintendenza officials and the project management, the restorers selected a mortar sample that matched the original in composition, granulometry, and color.

The chosen mortar consisted of :

- 20% natural cement,
- 20% fat lime,
- 60% selected aggregates.

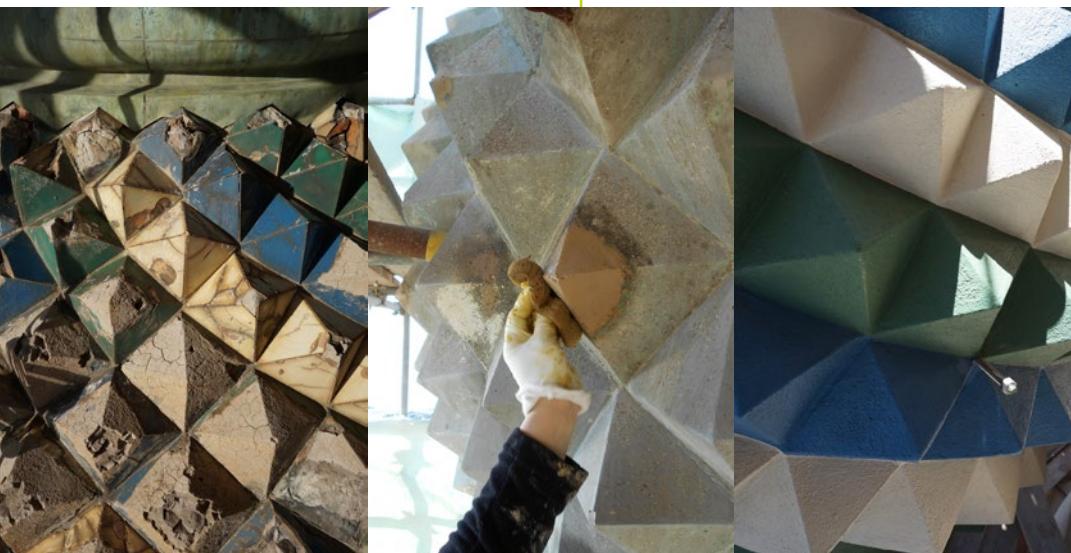
Pyramid-shaped elements integrated with the natural cement-based Prompt mortar were painted to mimic the original blue, green, and white faience.

Thanks to the pre-adjusted color of the selected mortar, reconstructions and integrations of the concrete aggregate parts required only a single patination.



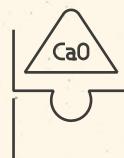
VICAT ADVANTAGES

- The setting time can be adjusted according to the work required: this feature allows for easier reconstruction of moldings.



For more information, contact Jean-Philippe Bruasse, Technical Trainer & Advisor PROMPT:
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PERFORMANCE REQUIREMENTS



Compatibility with lime



High compatibility with original mortars