

PROJECT SHEET Retaining Wall Restoration

BASTILLE DE GRENOBLE, FRANCE

THE PROJECT

Overlooking Grenoble for nearly 200 years, the Bastille required renovation. The City of Grenoble launched a restoration program, which included repairing the retaining wall.

More than 90 linear meters of natural PROMPT cement concrete copings were cast following the removal of the old molasse copings, which had completely deteriorated over time and due to weather exposure. To ensure proper

alignment, the copings were poured in place rather than using prefabricated elements.

As in the 19th century, PROMPT was chosen as a stone alternative. Produced at La Pérelle just a few kilometers from Grenoble, it was selected for its local origin and cost-effectiveness.



Owner _____

City of Grenoble

Architect _____

Pierrick de Vaujanny

Contractor _____

Eurl Pierre Jean Combier

Duration _____

3 months

Delivery date _____

June 2021



TECHNICAL APPROACH

Concrete formulation

- Binder: 550 kg/m³ CNP
- Mix: 3.5 buckets aggregate (0/12) + 25 kg CNP
- Add 1–2 doses of TEMPO per bag to slow setting during mixing and placement

Finishing

- Smooth with trowel for perfect finish

Curing

- Apply curing compound to prevent shrinkage

- Same binder dosage for precast elements
- Option to use larger aggregates (0/22)

+

VICAT ADVANTAGES

- Technical support for the client in mix design



PERFORMANCE REQUIREMENTS



Natural ochre color



Economic solution



Local material sourcing



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

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