

PROJECT SHEET

Stone Wall Repair

ISÈRE, FRANCE

THE PROJECT

This 18th-century enclosure wall had deteriorated over the years due to weather and invasive vegetation. Roots growing in the joints gradually loosened the

stones bonded with earth. Before a complete repointing, the masonry had to be reinforced by resetting stones and injecting grout to fill inaccessible voids.



Owner _____

Private client

Contractor _____

Private client

Delivery date _____

April 2020



TECHNICAL APPROACH

Surface preparation

- Remove vegetation
- Remove loose stones
- Chisel out joints and friable parts
- Clean, dust, and moisten repair areas

Mortar for stone setting

- Binder: 200–450 kg/m³ (15% CNP)
- Mix: 90–150 L sand + 35 kg NHL 3.5 lime + 5 kg CNP
- Add TEMPO retarder to mixing water

Implementation

- Lay stones and fill joints
- Inject grout where mortar cannot penetrate
- Scrape and brush mortar during setting to prepare for finishing joints

The proportion of natural PROMPT cement can be adjusted depending on the required performance: setting speed, stone hardness, desired permeability, final color, and resistance in a marine environment.



VICAT ADVANTAGES

- Technical support for the client in mix design



PERFORMANCE REQUIREMENTS



Fast setting



**Workability
in cold weather**



Permeability



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

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