



PROJECT SHEET Pavement Joints

PONT HENRI IV, CHÂTELLERAULT

THE PROJECT

Built at the very end of the 16th century from Pinail stone and Tuffeau from Antoigné, the Henri IV Bridge spans 150 metres and features nine arches. It recently underwent a major restoration campaign focusing on the roadway of the deck.

The Vienne Department's objective was to preserve and restore this historic structure in line with its existing layout, inherited from 19th-century alterations. To achieve this, a range of works

was required, including waterproofing of the structure, ventilation of the substructures, restoration of the stone facings, vaults and surrounding areas, as well as the renewal of the roadway and the wide pedestrian walkways, for which PROMPT natural cement was selected.

The bridge paving was carried out using a combination of reused original setts and new paving stones, notably to ensure accessibility for people with reduced mobility.



CNP = Prompt Natural Cement



Owner

Département de la Vienne

Architect

GFTK Architectes

Contractor

Colas Châtellerault

Duration

14 months

Delivery date

April 2023



TECHNICAL APPROACH

Substrate preparation:

Moisten the area to be jointed before applying the jointing mortar.

Mortar preparation:

→ Mixing ratio: blend 30 to 60 litres of 0/4 sand with 25 kg of PROMPT, 1 to 2 scoops of TEMPO, and water (adjust to the required consistency).

The mortar consistency is left to the contractor's discretion, depending on joint width and the quality of the paving stones.

Mortar application:

- Spread the PROMPT mortar over the entire area, then carry out a first pass with a flexible squeegee to remove excess material.
- Repeat the operation after a few minutes to eliminate as much surplus mortar as possible.

Joint finishing:

- Apply a first rinse using a fine spray to carry out the initial wash.
- Once the mortar has set, perform a more intensive wash to achieve a complete and final cleaning of the jointed surface.



PERFORMANCE REQUIREMENTS



Aesthetic quality



Durability



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

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