

**PROJECT SHEET**

# Restoration of Basins, Cour d'Honneur

CHÂTEAU DE VAUX-LE-VICOMTE 77950 MAINCY

## THE PROJECT

Since the 17th century, the basins in the Château's Cour d'Honneur have undergone several waterproofing transformations. Initially, the lining was made of tile concrete. In 1842, a bitumen waterproofing layer was applied after a period of neglect in favor of the gardens. In the 1990s, waterproofing was replaced

by a multi-layer aluminum-bitumen complex. Today, the restoration project aimed to return to natural cement waterproofing—a durable solution already used by Alfred Sommier in 1875 on other basins of the Château.



**Owner**

SCI VALTERRE

**Architect**

RL& Associés

**Contractor**

DUBOCQ

**Duration**

6 months

**Delivery date**

Summer 2024



CNP = Prompt Natural Cement

## TECHNICAL APPROACH

### Preparation of the substrate

- Removal and cleaning of previous coatings
- Stripping of old waterproofing resin on peripheral basin walls

### Implementation

- Installation of a hydro-swelling joint around the basin bottom between the Prompt Natural Cement waterproofing screed and the concrete walls
- Pouring a screed of Prompt Natural Cement (thickness: 4–6 cm)

Binder weight: 600 kg/m<sup>3</sup>  
Mix: 30 L sand (0/4) + 25 kg Prompt Natural Cement

- Leveling with Prompt Natural Cement mortar (thickness: 0.5–1 cm)  
Binder weight: 600 kg/m<sup>3</sup>  
Mix: 30 L sand (0/2) + 25 kg Prompt Natural Cement

- Repointing of coping stones with lime and Prompt Natural Cement mortar  
Binder weight: 300 kg/m<sup>3</sup>  
Mix: 30 L sand (0/4) + 5 L NHL 3.5 + 5 L Prompt Natural Cement

### Setting time adjustment

Add TEMPO setting retarder depending on mortar volume and temperature:

- 0 to 240 g max per 25 kg of Prompt Natural Cement
- One TEMPO dose = 80 g



AVANT TRAVAUX

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## LES PLUS VICAT

- Technical support for customer mix formulation



### PERFORMANCE REQUIREMENTS



Natural  
chre color



Waterproofing  
performance



For more information, contact Jean-Philippe Bruasse,  
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