



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.



CNP = Prompt Natural Cement



Owner _____

SCI VALTERRE

Architect _____

RL& Associés

Contractor _____

DUBOCQ

Duration _____

6 months

Delivery date _____

Summer 2024



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/m³
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/m³
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/m³
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



LES PLUS VICAT

- Technical support for customer mix formulation



PERFORMANCE REQUIREMENTS



Natural
color



Waterproofing
performance



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

jean-philippe.bruasse@vicat.fr
ciment-prompt-vicat.fr