

PROJECT SHEET Restoration of Basins

HISTORIC GARDENS, CHÂTEAU DE VAUX-LE-VICOMTE

THE PROJECT

In 1641, Nicolas Fouquet, Superintendent of Finances under Louis XIV, commissioned architect Louis Le Vau to design the Château de Vaux-le-Vicomte and entrusted André Le Nôtre with creating the French-style gardens. The estate became a benchmark of French architecture for the next 150 years. Le Nôtre's original basins, which disappeared in the 18th century, were reinterpreted by architect Hippolyte Destailleur at the

request of Alfred Sommier, with some differences: they are now larger and feature two sculpted groups by Emilie Peynot at their center. Over time, the basins developed numerous issues: leaks, malfunctioning jets and hydraulic network, disorganized masonry bases, and deterioration of lead sculptures.



Owner _____

SCI Valterre

Architect _____

RL & Associés

Contractor _____

Léon Noël (Troyes)

Duration _____

15 months

Delivery date _____

Spring 2020



CNP = Prompt Natural Cement



TECHNICAL APPROACH

Preparation of the substrate

- Chiseling, purging, cleaning, and dust removal of all areas to be treated

Implementation

- Repair and waterproofing
- Crack and fissure repair in basin lining by injecting expansive resin, then leveling with Prompt Natural Cement

- Waterproofing of sculptural group bases with Prompt Natural Cement
Binder weight: 600 kg/m³
Mix: 30 L sand (0/4) + 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

*Soit de 0 à 240 g maximum pour 25 kg de ciment naturel PROMPT.
Poids d'une dosette TEMPO = 80 g.*



VICAT ADVANTAGES

- Technical support for mix design development



PERFORMANCE REQUIREMENTS



Natural ochre color



Waterproofing performance



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

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