

## PROJECT SHEET

# Stone Paving

CHÂTEAU D'IF, MARSEILLE

### THE PROJECT

Fortification off the coast of Marseille, the Château d'If was built in 1524 on the Frioul archipelago.

A former pirate stronghold and prison, this iconic site

welcomes nearly 100,000 visitors annually.

Exposed to harsh weather and heavy foot traffic, the paving stones required restoration.

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#### Owner

French National Monuments

#### Architect

M<sup>r</sup> Botton  
Chief Architect  
of Historic Monuments

#### Contractor

Vivian & Cie

#### Duration

4 months

#### Delivery date

April 2019



## TECHNICAL APPROACH

### Concrete formulation (Lime/PROMPT)

- Binder: 400 kg/m<sup>3</sup>
- Mix: NHL 5 lime + CNP (25–50% depending on salt exposure)
- Aggregates: sand (0/4) + crushed gravel (4/6 and 6/10) for joint texture and pedestrian grip

Same formulation used for paving and jointing

It is possible to use the TEMPO retarder to adjust the setting time.

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### VICAT ADVANTAGES

- Technical support for the client in mix design
- Compatibility of natural PROMPT cement with lime



### PERFORMANCE REQUIREMENTS



**Natural ochre  
color**



**Rapid setting  
and hardening**



**Marine resistance**



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

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