



**PROJECT SHEET**  
**Lime/Prompt Flooring**

LA GRANGE DIMIÈRE, LE PIN, FRANCE

**THE PROJECT**

La Grange Dimière, a former dependency of the Chartreuse Monastery, is listed as a historic monument and now hosts contemporary ceramic sculpture exhibitions. The lower part of the museum (180 m<sup>2</sup>) was fully renovated.

To prevent rising damp that could damage masonry, the architect chose a permeable lime/Prompt concrete floor with a brushed finish.



**Owner** \_\_\_\_\_

Pays Voironnais

**Architect** \_\_\_\_\_

Multiple Architectes

**Contractor** \_\_\_\_\_

Glénat

**Duration** \_\_\_\_\_

6 months

**Delivery date** \_\_\_\_\_

April 2018



## TECHNICAL APPROACH

Slab poured over a 15 cm gravel base (non-ventilated)

→ Install a peripheral cork expansion strip to ensure wall permeability.

Pouring and broom finish are carried out the same day.

### Preparatory works

- Install a geotextile across the surface to limit concrete dehydration.
- Place contraction joints every 25 m<sup>2</sup> at the axis of the columns supporting the upper floor.

### Concrete mix

- Total binder: 400 kg/m<sup>3</sup>, including 25% PROMPT natural cement (CNP)
- 120 L of 0/12 aggregate mix + 35 kg NHL 5 lime + 10 kg CNP (one bucket)

TEMPO retarder can be used to adjust setting time.



### VICAT ADVANTAGES

- Compatibility of PROMPT Natural Cement with Lime
- Technical support provided to the client for mix formulation

### PERFORMANCE REQUIREMENTS



Natural ochre color



Cold-weather setting and wear resistance



Permeability



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

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