

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 m²) was fully renovated.

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

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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)

Preparatory works

- Install a geotextile across the surface to limit concrete dehydration.
- Place contraction joints every 25 m³ at the axis of the columns supporting the upper floor.

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

Concrete mix

- Total binder: 400 kg/m³, including 25% PROMPT natural cement (CNP)
- 120 L of 0/12 aggregate mix + 35 kg NHL 5 lime + 10 kg CNP (one bucket)

Pouring and broom finish are carried out the same day.

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



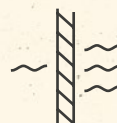
PERFORMANCE REQUIREMENTS



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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