



Decorative coating - Entreprise Intérieur Chanvre (71).

## VICAT PROMPT

### FOUR GOOD REASONS TO CHOOSE VICAT PROMPT

- 1  Rapid masonry
- 2  Water & sanitation
- 3  Restoration & decoration
- 4  Eco construction

For more information or brochures, contact us at the following e-mail address: [cimentnaturel@vicat.fr](mailto:cimentnaturel@vicat.fr)

You work in the application of mortar and hemp concrete – ask for our hemp **solutions** guide.

This will provide all necessary information concerning the application and performance of Vicat mortar and hemp concrete.



PROMPT Natural Cement is distributed in the UK through the IONIC group of companies. For further information on the supply and use of PROMPT please contact them on 0800 505 3802



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## VICAT PROMPT

# NATURAL CEMENT

UNIQUE AND DURABLE



## Eco construction



Magazine - 4 February 2011 - photos: Vicat, DR

### Work and application fields

#### 1 hemp **solutions**

Associated with a load-bearing structure (concrete or wood), Vicat hemp concrete forms a monolithic constructive system with very few joints and giving the structure excellent properties, in new buildings and renovation. They are used for insulating floors, walls, partitions and roofs. They also allow lightweight surfaces on upstairs floors and insulating coatings.

### Advantages of hemp **solutions**

- 100% natural solutions
- Thermal conductivity ( $\lambda$ ) of 0.05 to 0.09 W.m<sup>-1</sup>K<sup>-1</sup>
- Permeable to water vapour
- Acoustic absorption
- Carbon dioxide storage
- Totally recyclable

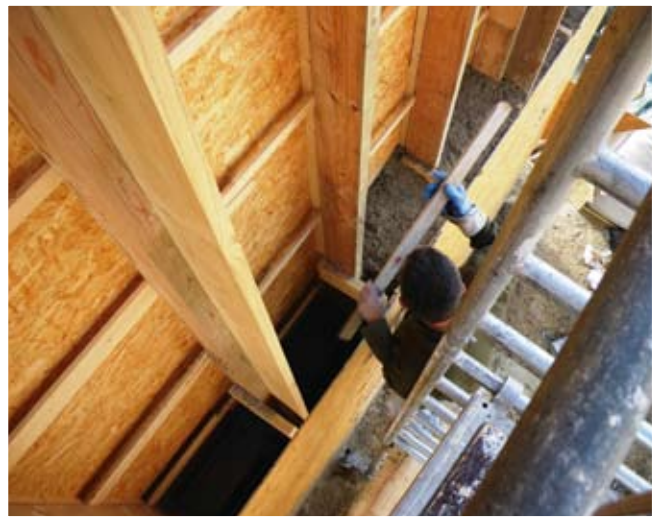
#### 2 Lime / natural cement mixtures

With the same mineralogical nature, Prompt natural cement strengthens the properties of lime for permeable pavements and coatings (indoors and outdoors).

### Advantages of lime / Prompt

- Conservation of the permeability of works
- Excellent durability
- Fast laying
- Low natural shrinkage
- Cold weather work





# PROMPT VICAT AND ENVIRONMENT- FRIENDLY CONSTRUCTION

Go for natural!

PROMPT VICAT is natural cement, without additions, cooked at low temperature like lime. Natural cement has been produced by the same process for over 150 years, and is the ideal binder for bio-sourced aggregates and mixtures with lime.

PROMPT VICAT has the advantage of the NF mark: NF P 15-314 (natural prompt cement) and NF P 15-317 (offshore work). Since 13th June 2007, it holds CE marking according to European Technical Approval: ETA-07/0019 - Certificate no. 0679-CPD-0227.



## TWO SOLUTIONS FOR USE

### 1 hemp solutions

> Isolation of flooring, walls and partitions, roofing, insulating coatings and lightweight screeds.

#### TYPICAL DOSING

	Boon	Natural cement	Tempo	Water
Insulating floors	100 l	30 kg	1 flask per bag if T < 15°C	25 l in the mixer 27 l in the cement mixer
Insulating walls		1 sac ou 25 kg	2 flasks per bag if if T > 15°C	24 l in the mixer 30 l in the cement mixer
Insulating roofs	200 l	1 sac ou 25 kg		44 l in the mixer 48 l in the cement mixer

	Boon	Natural cement	Lime CL90 or NH L 2	Sand 0-2	Tempo (if necessary)	Water
Coatings	100 l	12 l	45 l	10 l	1 cap per litre of cement if T < 15°C 2 caps per litre of cement if T > 15°C	55 l adjust to get the desired consistency

- > Before using, refer to the guide for applying hemp concrete and mortar.
- > TEMPO is essential for presented applications to observe the pace of work related to eco-construction.
- > In outside finishing, applied by machine or by hand, the fat lime plaster from Lime Green Products Ltd are compatible with Vicat hemp concrete. Refer to the manufacturer's technical data sheet ([www.vpi.vicat.fr](http://www.vpi.vicat.fr)).

#### TECHNICAL CHARACTERISTICS (FOR ABOVE DOSAGES)

	Thermal conductivity W.m <sup>-1</sup> K <sup>-1</sup> *	Resistance to compression (MPa)
Insulating walls	0.07	> 0.2
Insulating floors	0.07	> 0.3
Insulating roofs	0.05	> 0.05
Coatings	0.09	> 0.3

#### THERMAL RESISTANCE m<sup>2</sup>KW<sup>-1</sup>

thickness (cm)	5	10	15	20	25	30
Floor	0.70	1.40	2.10	2.90	3.60	4.30
Wall	0.70	1.40	2.10	2.90	3.60	4.30
Roof	1.00	2.00	3.00	4.00	5.00	6.00
Coating	0.60	1.10	1.70	2.20	2.80	3.30

#### The of natural cement

- Quick removal of form panels
- Quick availability of floors
- Thickness and high weight in a single laying (10 cm)



Insulating coating



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### 2 Lime / natural cement mixtures

> Permeable pavements, coatings (indoors and outdoors)

#### TYPICAL DOSING OF MORTARS FOR COATINGS (in conformity with DTU 26-1)

in volume	NHL 2 ou 3,5	Natural cement	Sand
Rough-cast	-	1	2
Coating body	3	1	10
Finishing	3	-	10

#### TYPICAL DOSING FOR PERMEABLE PAVEMENTS

	NH L 2 or 3.5 1 35 kg bag	Natural cement half bag of 25 kg	Tempo ½ flask (20°C)	Sand and gravel mixture 15 buckets

#### The of natural cement

- Accelerates lime
- Quick hardening
- High load per laying
- Allows work in cold weather
- Respects the characteristics of the lime



Roof insulating.

\* Results at 0% humidity. The values should be increased from 20 to 30% to reflect the humidity of the air.