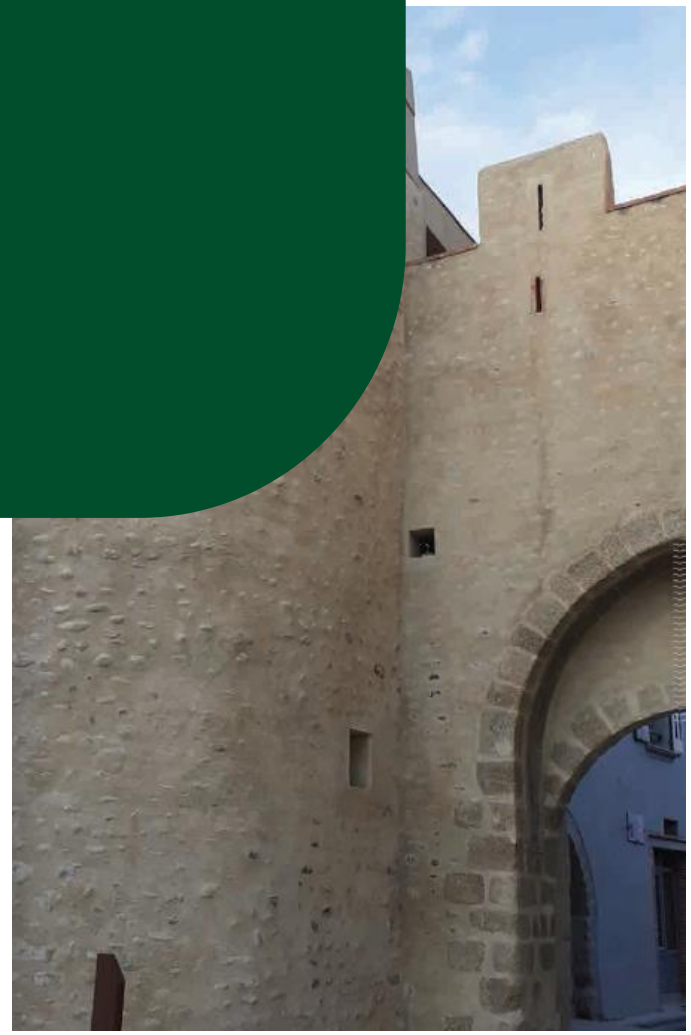
Heidelberg Materials France Socli

Natural hydraulic Lime solutions



Heidelberg Materials

HM SOCLI
Who we are – What we do

Manufacturer of Natural Hydraulic Lime (NHL), mortars and technical products **for more than 150 years**

1863: Beginning of the history of CHAUX RABOT with the construction of lime kilns by Joseph Rabot

1890: Joseph Rabot transfers his business to his foreman Alfred Delrieu. At that time the rocks were loaded manually into carts.

1903: Construction of the Izaourt factory

1935: Mr. Delrieu, son, enlarges and mechanizes the operations linked to loading.

1990: Acquisition by SOCLI

We are a company with a mission and a recognized know-how, that we put at the service of heritage & Renovation …

Recognized as a **Living Heritage Company**(EPV) since 2019

MEMBRE ASSOCIE
GROUPEMENT DES ENTREPRISES DE RESTAURATION DE MONUMENTS HISTORIQUES

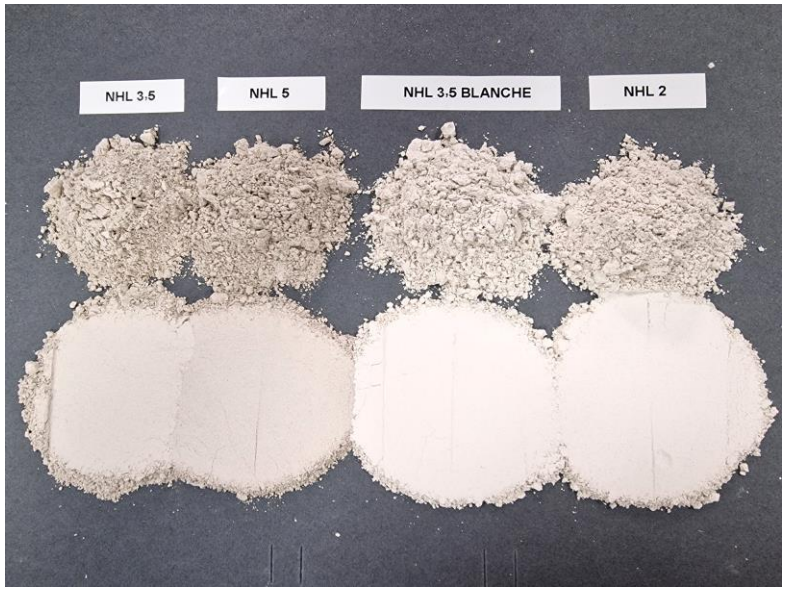
We are an associate member of **the Heritage monument association in France**

HM SOCLI
Our Stone – Our Lime

A unique stone that enable us to produce 4 NHLs

Raw Materials from our quarry.

Quick lime



Our 4 NHL's
NHL 2
NHL 3,5 White
NHL 3,5 Beige/grey
NHL5

Main products of our Portfolio

Lime based solution

NHL :

- NHL 2 White
- NHL 3,5 White
- NHL 3,5 Old White / Beige
- NHL 5

We are the only producer in the world with 4 types of NHL

NHL 3,5 Old White

NHL 2 with Colored sands

NHL 3,5 White

NHL 3,5 White + White sand

NHL 2 white

NHL 2 White is designed for making traditional mortars for restoration works on soft substrates (adobe, hemp, soft stone, etc). Its whiteness sets off the natural colour of sands or pigments when applied to renders

Properties

NHL 2 White is particularly useful in designing mortars and renders to complement the strength of natural stone and soft brick construction.

High degree of whiteness facilitates the production of quality architectural finishes and can be pigmented Enhances the local sands with its constant whiteness, which allows you to obtain all the desired shades

It allows buildings to breathe and does not trap moisture in the walls

Advantages

- 100% Natural
- Handy and smooth thanks to its finesse
- Whiteness to highlight local sands
- High level of free lime ensures the breathability of the substrates
- Suitable for heritage restoration and renovation
- Low elasticity modulus

	Unités	Average Characteristics* NHL2
Whiteness	Y	70
	L	>85
Density	Kg/dm3	0,60
Surface Blaine	Cm^2/g	12 800
Mechanical resistance at 28 days	MPA	4,75
Setting Time	mn	774
Free Lime	%	42%
SO3	%	1,6

NHL 3,5

Natural hydraulic lime NHL 3,5 complies with the EN 459-1 standard. The lime is color Beige/light grey, it allows the carrying out of many works in restoration, new construction, from natural materials and in eco-construction.

Properties

Allows walls to breathe by promoting gas exchange in the walls

Soft, creamy mortars that are easy to use

Excellent adhesion to the substrate

Resistance suitable for the production of coatingsRealization of traditional mortars (particularly appreciated for the rehabilitation of old buildings or historical monuments)

	Units	Average Features*
		NHL3,5
Density	Kg/dm3	0,75
Surface Blaine	Cm^2/g	9300
Mechanical resistance at 28 days	MPA	5,33
Setting Time	mn	258
Free Lime	%	27,2
SO3	%	1,38

Advantages

- 100% Natural
- Handy and smooth thanks to its finesse
- Colour to match existing masonry
- Economic
- Suitable for heritage restoration and renovation

NHL 3,5 white

NHL 3,5 natural hydraulic lime white complies with the EN 459-1 standard for building lime. White in colour, it allows the carrying out of many works in restoration, new construction, from natural materials and in eco-construction.

Properties

Allows walls to breathe by promoting gas exchange in the walls

Soft, creamy mortars that are easy to use

Excellent adhesion to the substrate

Enhances the local sands with its constant whiteness, which allows you to obtain all the desired shades

Realization of traditional mortars (particularly appreciated for the rehabilitation of old buildings or historical monuments)

Advantages

- 100% Natural
- Handy and smooth thanks to its finesse
- Colour to match existing masonry
- Ideal for masonry and lime concrete
- Suitable for heritage restoration and renovation

	Unités	Average Characteristics* NHL3,5 White
Whiteness	Y	71
	L	>87
Density	Kg/dm3	0,60
Surface Blaine	Cm²/g	14 500
Mechanical resistance at 28 days	MPA	6,09
Setting Time	mn	826
Free Lime	%	44%
SO3	%	1,3

NHL 5

NHL 5 natural hydraulic lime complies with the EN 459-1 standard for building lime. Beige in colour, it allows the carrying out of many works in restoration, new construction, from natural materials and in eco-construction.

Properties

Allows walls to breathe by promoting gas exchange in the walls Soft, creamy mortars that are easy to use Excellent adhesion to the substrate Resistance suitable for masonry and lime concreteRealization of traditional mortars (particularly appreciated for the rehabilitation of old buildings or historical monuments)

Advantages

- 100% Natural
- Handy and smooth thanks to its finesse
- Colour to match existing masonry
- Ideal for masonry and lime concrete
- Suitable for heritage restoration and renovation

	Units	Average Features*
		NHL5
Density	Kg/dm3	0,77
Surface Blaine	Cm^2/g	8900
Mechanical resistance at 28 days	MPA	7,01
Setting Time	mn	298
Free Lime	%	23%
SO3	%	1,6

Sagrada Familia Barcelona, SPAIN

Monastery in Sardon de Duero, SPAIN

Türkiye Project

Saint Sophia Church Constantinople

Çamlıca Mosque

Ireland Projects

Restoration of Core Castle

Before

After

Restoration works on Elder Hall

USA Projects

Old Fort Niagara

Old Louisiana state Capitol

United States Military Academy

Lauga Castle, Bayonne France

Dôme de la Grave, Toulouse France

Castle and ramparts of the city of Carcassonne, France