

# **K Lime**

The **Heritage** Range

K Lime is a cement-free range of lime based mortars that allow flexibility, durability and breathability to protect & enhance your heritage building



NATURAL  
LIME

CEMENT  
FREE

# Index / Product Range

THE  
HERITAGE  
RANGE

LIME  
BASED  
PRODUCTS

BOND COAT

SB1



BASE & RENDER

413



213



FINISHING

112



ROUGHCAST



HEMP LIME BINDER

HEMP LIME BINDER



Bond



Preparatory coat



Base / Render



Finish



Building



Internal



External



Lime Based



Contains Cement



Cement Free



FLEXIBILITY,  
DURABILITY &  
BREATHABILITY

ECO-FRIENDLY

# K Lime SB1

# Coarse 413



## WHEN TO USE



**SB1 is a Stipple Bond. It is a non-cementitious preparatory coat** to combat problems due to insufficient key or poor suction. It is used to give a larger surface area and improve the adhesion of K Lime renders to difficult substrates such as natural stone & brickwork.

It is applied using a hawk & trowel, scrubbed into the surface and immediately textured to leave a rough stipple finish.

## WHEN TO USE



**Coarse 413 can be used as a base coat** for rendering or dubbing out irregular backgrounds where heavier coats are required.

**Coarse 413 can also be used as a general purpose masonry mortar for external use subject to structural requirements.** This can be used for building random rubble and coarse stonework to a nominal joint thickness of 25mm. (Technical data available on our website for building purposes.)



K Lime SB1 does not contain cement.



SB1 is a lime based product meaning it will reduce CO2 emissions when curing.



SB1 can be used internally as a preparatory coat.



SB1 can be used externally as a preparatory coat.

## FEATURES & BENEFITS



Coarse 413 does not contain cement.



Coarse 413 is a lime based product meaning it will reduce CO2 emissions when curing.



Coarse 413 can be used externally.

## FEATURES & BENEFITS

## TECHNICAL DATA

Technical data for external use (other technical data is available on the website)  
 Coverage: 1.6kg / mm thick / sq.m  
 Require: 5 kg / sq.m approx., depending on condition of and suction of the substrate.Nominal 2-3mm thickness.

Workable Life:	> 8 hours
Capillary Water Absorption:	W0
Compressive Strength Class:	CS1
Adhesion:	0.14 N/mm <sup>2</sup> (FP - a)
Water Vapour Permeability (μ):	10
Dry Bulk Density:	1460 kg/m <sup>3</sup>
Thermal Conductivity:	P=50% - 0.45 W/mK (tab value)
Air Content:	26%
Reaction to Fire:	Class A1
Durability (against freeze thaw):	based on provisions valid in UK and Ireland

## TECHNICAL DATA

Technical data for external plastering (other technical data is available on the website)  
 Coverage: 1.6-1.8kg / mm thick / sq.m  
 Require: 22-29 kg / sq.m approx for 14-16 mm thickness.

Workable Life:	> 8 hours
Capillary Water Absorption:	W0
Compressive Strength Class:	CS1
Adhesion:	0.16 N/mm <sup>2</sup> (FP - b)
Water Vapour Permeability (μ):	15
Dry Bulk Density:	1580 kg/m <sup>3</sup>
Air Content:	23%
Reaction to Fire:	Class A1
Thermal Conductivity:	P=50% - 0.63 W/mK (tab value)
Durability (against freeze thaw):	based on provisions valid in UK and Ireland

# Setting 213



# Finishing 112



## WHEN TO USE



**Setting 213 is the most widely used base coat and can also be used as a finishing coat.** It can be wood floated as a suitable background for painting.

**Setting 213 can also be used as a general purpose masonry mortar for external use subject to structural requirements.** It can be used for pointing, building dressed stone for a nominal joint thickness of 4-6mm.

## WHEN TO USE



**Finishing 112 is used for rendering as a finishing coat, typically on top of K Lime Course 213.** It is designed to be steel floated for a 2-4mm thickness for a fine finish.

**Finishing 112 can be used for general purpose masonry mortar for external use in elements subject to structural requirements.** It can be used for pointing and building dressed stone for a nominal joint thickness of 4-6mm.



Setting 213 does not contain cement.



Setting 213 is a lime based product meaning it will reduce CO2 emissions when curing.



Setting 213 can be used internally.



Setting 213 can be used externally.

## FEATURES & BENEFITS



Finishing 112 does not contain cement.



Finishing 112 is a lime based product meaning it will reduce CO2 emissions when curing.



Finishing 112 can be used internally.



Finishing 112 can be used externally.

## FEATURES & BENEFITS

## TECHNICAL DATA

Technical data for external plastering (other technical data is available on the website)

Coverage: 1.6-1.8kg / mm thick / sq m  
Require: 13-18 kg / sq m approx for 8-10 mm thickness.

Workable Life:	> 8 hours
Capillary Water Absorption:	W0
Compressive Strength Class:	CS1
Adhesion:	0.14 N/mm <sup>2</sup> (FP - a)
Water Vapour Permeability (μ):	10
Dry Bulk Density:	1460 kg/m <sup>3</sup>
Thermal Conductivity:	P=50% - 0.45 W/mK (tab value)
Air Content:	26%
Reaction to Fire:	Class A1
Durability (against freeze thaw):	based on provisions valid in UK and Ireland

## TECHNICAL DATA

Technical data for external finishing (other technical data is available on the website)

Coverage: 1.6-1.8kg / mm thick / sq m  
Require: 3-7 kg / sq m approx for 2-4 mm thickness.

Workable Life:	> 8 hours
Capillary Water Absorption:	W0
Compressive Strength Class:	CS1
Water Vapour Permeability (μ) :	10
Dry Bulk Density:	1500 kg/m <sup>3</sup>
Thermal Conductivity:	P=50% - 0.47 W/mK (tab value)
Air Content:	18%
Reaction to Fire:	Class A1
Durability (against freeze thaw):	based on provisions valid in UK and Ireland



# Roughcast



# Hemp Lime Binder

## WHEN TO USE



**K Lime Roughcast is used in plastering to provide a wet dash or Roughcast finish.**

It is prepared by blending K Lime Roughcast Binder with 4-8mm Limestone chips in the ratio 2 parts binder to 1 part limestone chips.

It is applied as part of a K Lime rendering system, typically on top of a K Lime Finishing 112 layer.

## WHEN TO USE

**Hemp Lime Binder is a low density, hydraulic lime based binder used in the manufacturing of hempcrete (hemp concrete).**

Hempcrete is a bio composite building material which provides enhanced thermal properties to walls and roofs using sustainable materials.

Typically Hemp Lime Binder is blended with hemp shiv and water to create hempcrete as a semi-dry mix. The hempcrete is then normally cast around a steel or timber frame to create a solid, non-load bearing wall.



K Lime Roughcast does not contain cement.

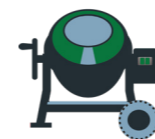


K Lime Roughcast is a lime based product meaning it will reduce CO2 emissions when curing.



K Lime Roughcast can be used externally.

## FEATURES & BENEFITS



Hemp Lime Binder contains a small amount of cement as a performance enhancing additive.



Hemp Lime Binder is a lime based product meaning it will reduce CO2 emissions when curing.



Hemp Lime Binder can be used internally.



Hemp Lime Binder can be used externally.

## FEATURES & BENEFITS

## TECHNICAL DATA

Technical data for external finishing (other technical data is available on the website)

Coverage: 1.5kg / mm thick / sq m  
Require: 8-12kg / sq m approx

Workable Life: > 8 Hours

Capillary Water Absorption: W 0

Compressive Strength Class: CS1

Water Vapour Permeability (μ) : 40

Dry Bulk Density: 1650 kg/m<sup>3</sup>

Thermal Conductivity: P=50% - 1.0 w/mK (tab value)

Air Content:

Reaction to Fire: A1

Durability (against freeze thaw): Acceptable based on provisions valid in UK and Ireland

## TECHNICAL DATA

Technical data for external finishing (other technical data is available on the website)

Coverage:  
Require:

Workable Life:

Capillary Water Absorption:

Compressive Strength Class:

Water Vapour Permeability (μ) :

Dry Bulk Density:

Thermal Conductivity:

Air Content:

Reaction to Fire:

Durability (against freeze thaw):

# Mineral Paint

## WHEN TO USE



**K Lime Mineral Paint is a highly breathable, naturally durable and environmentally friendly mineral paint that provides an attractive, matt, coloured finish for exterior and interior use.**

K Lime Mineral Paint works in harmony with heritage buildings and lime-based mortars & renders, such as the K Lime Heritage Range, to maintain the breathability and performance of the underlying property.

## STANDARD COLOURS



Bright White



Off White



Highly breathable, does not hinder moisture evaporating from building structure.



Naturally durable, excellent resistance to sun and weather exposure. Naturally delays algae growth.



Environmentally friendly, water based and low in VOC's and biocides.



Healthy living, based on natural, mineral binders as an alternative to polymer based, film-forming paints.

## FEATURES & BENEFITS

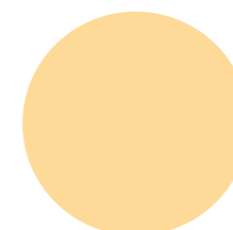
### Technical data

Coverage:	45-65m <sup>2</sup> using two coats on a smooth surface, coverage will be lower for textured and rough surfaces.
Water Vapour Permeability:	EN ISO 7783-2 S <sub>0</sub> (m) = 0.01 (Class I – high water vapour permeability)
Water Absorption (24 hr):	EN 1062-3 W (kg/m <sup>2</sup> h <sup>0.5</sup> ) = 0.17 (Class II – medium water absorption)
Density:	Approx. 1.45 kg/litre

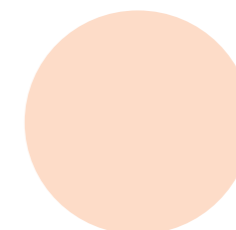
## TECHNICAL DATA



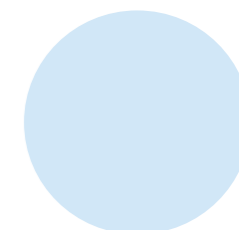
Ivory



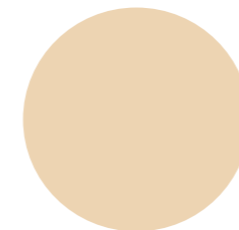
Butter Cream



Salmon Pink



Baby Blue



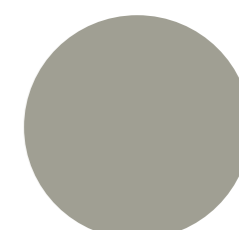
Sand



Mint Green



Pale Grey



Grey

Bespoke colour matching available on request

 **K Lime**  
The **Heritage** Range

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[www.K-Lime.co.uk](http://www.K-Lime.co.uk)