

# **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**



**THE  
HERITAGE  
RANGE**

**LIME  
BASED  
PRODUCTS**



**FLEXIBILITY,  
DURABILITY &  
BREATHABILITY**

**ECO-FRIENDLY**

# Index / Product Range

**BOND COAT**

**SB1**




**BASE & RENDER**





**413**                      **213**






**FINISHING**

**112**                      **ROUGHCAST**

**HEMP LIME BINDER**





Bond



Preparatory coat



Base / Render



Finish



Building



Internal



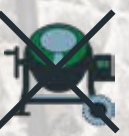
External



Lime Based



Contains Cement



Cement Free



# K Lime SB1

## 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.



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

## 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



# Coarse 413

## 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.)



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 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



## 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.



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

## 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



# Finishing 112


## 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.




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 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

## 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.



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

## 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 ( $\mu$ ) :	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



# Hemp Lime Binder

## 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.



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

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