

lime
use it in
buildings for
conservation
renovation
environment
be green

about us

J & J Sharpe is a small company that provides the following services:

■ **Manufacturer and supplier of Lime products**

A major part of our business is to produce lime products including putty, mortars, washes, plasters and clay daub. We also supply natural hydraulic lime, oak laths, stainless steel fixings, cob blocks and bricks.

We offer easy to understand advice and help for the novice and more detailed explanations for the professional builder. If you are not sure of the type of material you need or the quantity for the job we can help you. We endeavour to give the most suitable advice for the job that needs to be done.

■ **We specialise in the repair, renovation and conservation of old buildings.**

This includes work on churches, public buildings and privately owned homes. We carry out lime plastering and rendering, structural repairs to stone and cob as well as full refurbishment contracts, extensions and conversions.

We believe it is important to maintain our vernacular buildings and homes. Our aim is to employ the best techniques to achieve lasting repairs and maintenance of traditional buildings, whether it may be a small cob cottage, stately home or church.

We have completed contracts involving the conservation and repair of historic ornamental plasterwork, wall paintings and monuments.

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lime materials

Lime mortar is softer and weaker than stone, brick or cob therefore it is able to withstand a certain amount of movement (without cracking) that comes with settlement and seasonal changes in ground conditions.

Lime mortar is porous and allows moisture to freely evaporate, this is sometimes referred to as 'walls being allowed to breathe'.

Dense cement mortars are hard, brittle and less porous than lime mortar, which is damaging to traditional buildings.

Water can get behind cement renders where cracks occur. The water is drawn into the wall, builds up, unable to escape; dampness in the wall causes decay and crumbling to the fabric of the wall.

Cement mortar is usually harder than old brick and some stone, when movement occurs the edges of the stone or brick are pushed against the hard mortar resulting in the masonry being damaged or the mortar cracking.

Non-Hydraulic Lime or Lime Putty

Quicklime is added to water to produce lime putty. The resulting mixture is sieved and left to mature for a minimum of 3 months. During this time the liquid lime putty thickens to the consistency of toothpaste.

Natural Hydraulic Lime (NHL)

The production of Natural Hydraulic Lime differs from lime putty. NHL is produced from limestone containing clay or other silica impurities. When NHL is slaked (added to water) a harder set is obtained because calcium silicates and aluminates form in the presence of water as well as calcium carbonate from carbonation. This gives NHL the ability to set underwater, hence the term hydraulic.

The more hydraulic a lime is the greater its strength but less permeable and flexible.

Slow setting non-hydraulic lime is good for internal plasterwork and for soft backgrounds such as cob or soft stone.

For exposed stonewalls or chimneys then a stronger NHL would be beneficial.

why use lime?

Breathable - Limes are breathable which is an essential quality for solid masonry walls, which are found in most period buildings

Healthy - a breathable structure is also an important quality for healthy living conditions

Natural - our lime products are natural and contain no additives and are not blended

Resistance to Salts, Bacteria and vegetable growth - The absence of gypsum and cement ensures sulphate attack and salt reactions are minimised

Flexibility - compressive strength is gained gradually, allowing for movement

Elasticity - no expansion joints, minimal shrinkage and cracking

Excellent workability - free lime content gives good workability

Recycling - building materials used with our Limes can be recovered and reused

Green - lime re-absorbs CO2 during curing

Cost Effective - low bulk density means good economy as sold by weight but used by volume



We supplied the Shakespeare's Globe Theatre reconstruction, the UK's largest lime plastering project, with all their haired lime plaster

products

J & J Sharpe's range of products



Lime Putty

Available in 20 kilo tub or by half tonne



Lime Mortar (3:1)

Available in 25 kilo, half tonne or tonne bag. 20kg of plaster covers 1m sq. at 10 mm thick



Lime Plaster (haired, 3:1)

Available in 25 kilo, half tonne or tonne bag. 20kg of plaster covers 1m sq. at 10 mm thick



Lime Plaster (Double haired)

Used for first coat onto laths. Available in 25 kilo, half tonne or tonne bag. 20kg of plaster covers 1m sq. at 10 mm thick



Super Fine Skim (3:2)

Available in 12 litre tubs covers 4m sq



Lime Wash

Available in 12 litre tubs. White or colors (see chart). 1 litre covers 3 to 6m sq. per coat. At least 3 coats are needed on new plaster.



Roundtower Natural Hydraulic Limes

All grades NHL2, 3.5 & 5 available in 25kg bags



MetaStar

Available in 25 kilo bags



Sawn and Riven oak laths



Cob bricks

Available individually or pallets of 348



Cob blocks

Available individually or pallets of 64

Other products

Perlite - available in 100 litre bags

Daub - available in 25 kilo bags

Pudding Clay - available in 25 kilo bags

Delivery arranged throughout the UK.

Stainless Steel Products - 1 metre x 8mm helical ties, Riblath per sheet, EML per sheet, screws, bolts & threaded bars

Booklets - 'Lime in Building', A Practical Guide & 'Cob Buildings' A Practical Guide



colour chart

Limewash colours - please note: due to the printing process use as a guide only, please contact us for small sample tins.



Croyde



Tawton



Dolton



Bow



Lynton



Tavy



Meeth



Belstone



Instow



Rowden



Beaford



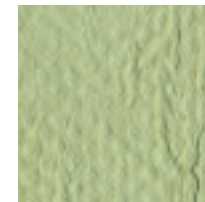
Barton



Welcombe



Week



Huish



Ashwater



Lee



Knowle



Merton



Lake