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Units 6 - 7 Hollis Road, Grantham, Lincolnshire NG31 7QH

The Lutyens War Memorial, Ayscoughfee Gardens, Spalding

Mortar mixes and samples for approval

The Yellow highlighting are our proposed recommendation.

Bedding and pointing for the brick and stones

Sample I = 1 part St Astier NHL 2, 2 parts Woodhall Spa sharp, 1 part Clipsham stone dust.

Sample II = 1 part St Astier NHL 2, 1 ½ Woodhall Spa sharp, 1 ½ Clipsham stone dust.

Sample III = 1 part kibbled Buxton quicklime, 4 parts Woodhall Spa sharp, 1 part Clipsham stone dust.

Sample IV = 1 part kibbled Buxton quicklime, 3 parts Woodhall Spa sharp, 2 part Clipsham stone dust.

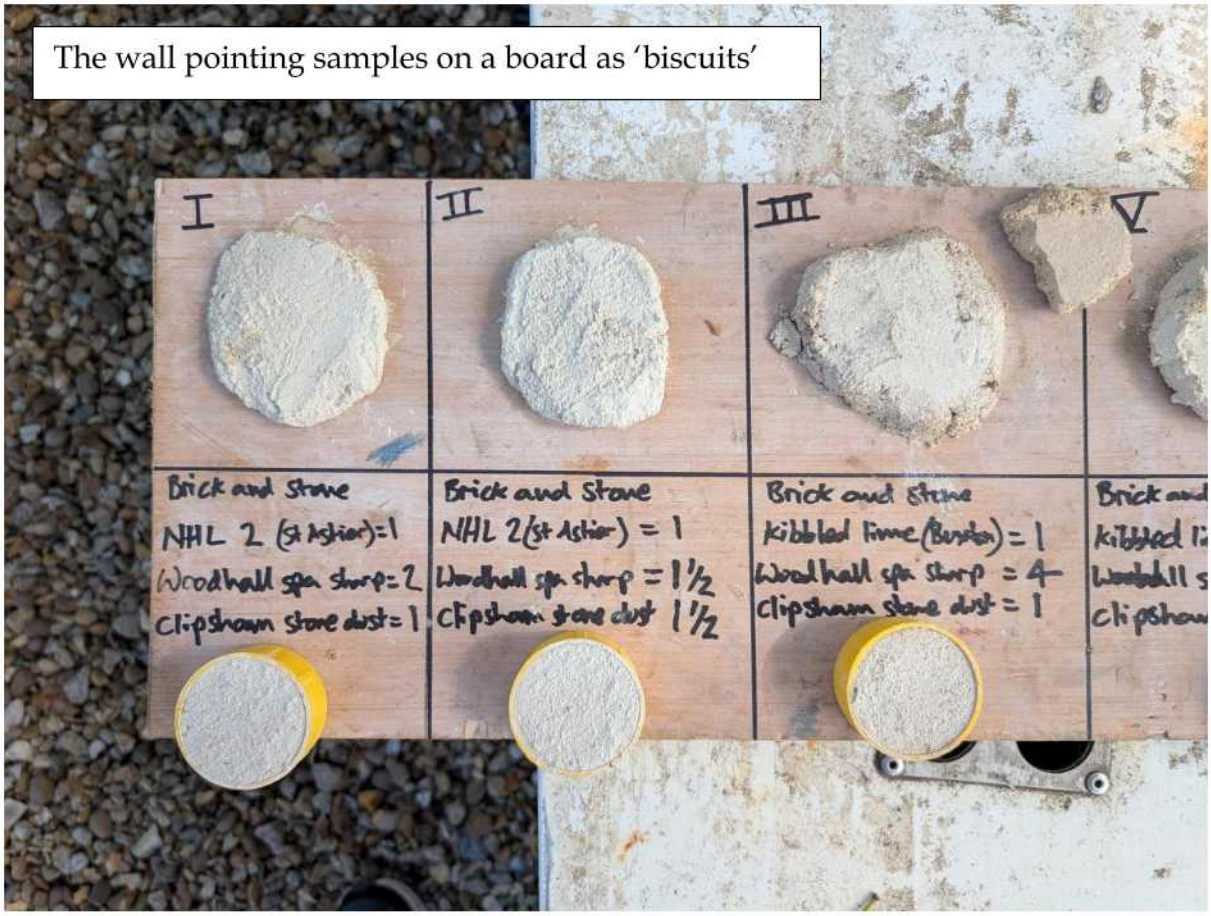
We propose the NHL 2 mixes at low levels due to the level of damp. The hot mixes even with a pozzolan added are not sufficiently hydraulic to set.

There is merit in keeping the same mix for all levels so as to keep things simple.

Sample I looks good for bedding and re-pointing of all.

Samples I and II held close to the existing mortar in



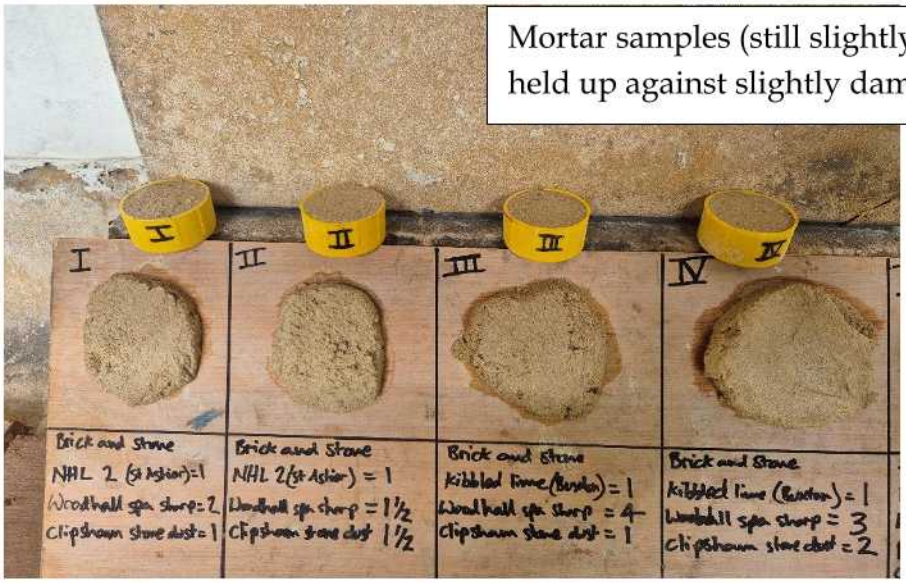


The wall pointing samples on a board as 'biscuits'

Stone repairs.

Interestingly the above mixes are really good matches for the stone repairs as well. So I would use one of these, perhaps with a little tweaking when they are dry.

Samples II & IV look promising, and are our suggestions as base mixes, using the NHL2 for the lower levels (sample II).



Mortar samples (still slightly moist) held up against slightly damp stone.

Floor Brick samples

We looked at three different brick samples compared to the existing in the floor, as below:



The sample from Bulmer's looks to be the best match for colour and texture.

Floor brick pointing/bedding

When the original joints are cleaned up a bit there is quite a bit of warmth to the colour, and the samples reflect this.

A little more durability to wear from foot traffic as well as to the weather is required here than above ground, and for this reason we have based our samples on NHL3.5 lime.

The samples, shown in the photo overleaf, are:

Sample V = one part St Astier NHL 3.5, 2 parts Woodhall Spa sharp sand, 1 part Clipsham stone dust (sieved).

Sample VI = one part St Astier NHL 3.5, 2 ½ parts Woodhall Spa sharp sand, ½ part Clipsham stone dust (sieved).

VI is the better match of the two.



Pointing mixes (moistened) for the floor pointing

Crack fill mix for retained vaulting render

For filling the cracks to the retained vaulting render we propose a mortar mix of:

- 1 part St Astier NHL 2
- 2 parts Woodhall Spa sand (Sieved)
- 1 part Portland stone dust (sieved)

The sand and sone dust are sieved to a grade appropriate for the size of the crack to be filled.

D. Carrington & S. Ebbs, Skillington Workshop Ltd

30 June 2026