

NHL Mortars Preparation: Mix in Normal Cement Mixers

Small mixers

1. Introduce ½ of the required Sand
2. Add all of the Lime

Larger mixers

- Introduce equal parts of the required Sand
- add equal parts of Lime

Mix well (2-3 minutes until uniform colour is achieved)

3. Add remaining Sand
- add more Sand (in equal parts) add remaining Lime and remaining Sand

Mix well again (2-3 minutes)

4. Continue mixing until required workability is achieved, adding water slowly
- Mix **DRY** for a couple of minutes to homogenise and then continue mixing Adding water slowly until workability is achieved

Time of last mix: approx.
10 minutes

Time of last mix: approx. 12 minutes

Note: *The best results are achieved by leaving the mortar slightly “hungry” and increasing the time of the last mix. The longer the mixing time, the more workable (fatter) the mortar will be.*

A small addition of lime putty (max. 10% of the weight of the NHL binder) can be made. Do not add putty if working with NHL 2. This is to achieve immediate workability and reduce the mixing time. It is not necessary and it is left to the user's preference. If putty is added this should be done before the optimal level of water is added as putty contains water and adding it when the mix is complete would produce a mortar too wet and therefore unsatisfactory. The putty addition, within the maximum stated, will reduce the strength of the mortar by about 15% for about 3-4 weeks. The strength at total carbonation is not affected.

Dosing: use standard buckets, always levelled. Once full tap on the side to ensure that contents settle and fill to level. Dose at the volumetric values agreed with the supplier (1: 1.5, 1:2 etc...), always related to the strength of the application area. With the correct aggregates and dosages, mortars from Class II to Class V are easily produced (from 10 to 2 N/mm²) By using NHL 5, NHL 3.5 and NHL 2 (see also individual products data sheets).

If you have any questions or queries please do not hesitate to contact Womersley's Limited on Tel 01924 400651 or call in at our workshop.