

# *LIME-BASED MORTAR*

The benefits



# OUR COMMITMENT

Tarmac's commitment to providing customers with the very best quality product means that we add lime to all of our factory produced mortar. Increasing yield and helping to improve the durability, flexibility and breathability of mortar, lime is paramount in our formulation.



*ACHIEVE 12-15%  
greater yield*

## ECONOMY

The quality of the finished work is of such a high standard that lime-based mortars need less maintenance or repair work and are therefore the most economical in the long term.

## FILLING THE VOID

Lime provides the optimum void fill of the sand present in the mix. This increases the mortar surface area and therefore strengthens the bond.

## DURABILITY

Lime-based mortar creates a better bond between bricks and blocks, leading to more durable longer-lasting buildings.

## IMPROVED WORKABILITY

Lime-based mortars are favoured by builders thanks to their working properties: the fatty, buttery texture is rewarding to work with and makes the mortar easy to lay with minimum wastage and maximum strength. In addition, the mortar's retained consistency means it remains workable on the bricks and completely fills the vertical as well as horizontal joints in brickwork and masonry.

## GREATER PRODUCTIVITY

Ease of use and reduction in wastage reduces costs in both materials and labour.

## WATER RETENTIVITY

By resisting water loss when placed between bricks and blocks, lime-based mortar ensures precise contact between brickwork and mortar, and also ensures complete hydration of the cement.

## WEATHER RESISTANCE

Thanks to better bedding of bricks and blocks, correct filling of prep-end joints and maximum void fill, the bond created by lime-based mortar is incredibly strong. Add to that its inherent crack control and self-repair and you can see why lime based mortar is so resistant to rain penetration, wind, freezing, thawing, wetting and drying. In practice, this means much less maintenance than sand: cement mortars require.

## HEAL AND SEAL

By using lime-based mortar the movement of buildings during and after construction is easily absorbed. Cracking of lime-based mortars is minimal and any that does occur tends to be micro-cracking rather than the major cracking associated with more brittle sand: cement mortars. However, if micro-cracking does occur, lime-based mortar can heal the cracks and seal the surface, thus wholly maintaining the integrity of the building. This process is known as 'autogenous healing'.

## EASY ON THE EYE

Some building components contain soluble salts that can reach the external surface, leaving unsightly deposits. Lime-based mortars reduce the likelihood of this efflorescence thanks to the reduced amount of water in the structure.

## ACCREDITATION

Industry standards have been achieved for all mortar operational sites: BS EN ISO 9001 (Quality Management System), BS EN ISO 14001 (Environmental Management System) and BES 6001 Responsible Sourcing of Construction Products.



To find out more about our range  
of MORTARS and the best solution  
for your project call **03701 116 116**

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