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WHY USE ROUNDTOWER

NATURAL HYDRAULIC LIME

There are many reasons for specifying and using Roundtower Natural Hydraulic Limes:

Old and New - Roundtower Natural Hydraulic Limes are suitable for building restoration and conservation. Equally, they are well suited for new construction and as mortars, plasters, concrete and grouts.

Choice - Roundtower has 5 different natural hydraulic limes. An NHL 2 (white), two NHL 3.5 (one white and one grey), an NHL 3.5 Premix and NHL 5 (bright). Roundtower also supplies Lime Putty. This gives the user the widest choice of material.

Natural - Roundtower Natural Hydraulic Limes are natural products. They contain no additives and are not blended.

No additives - no need to add pozzolans, cement, plasticizers, water retainers or waterproofers. Roundtower Natural Hydraulic Lime gives consistently high quality results.

Compatibility & Suitability – variety of strengths and colours available to suit existing mortar, whatever age.

Resistance to weather – quick setting means less need for protection from adverse weather conditions compared to fat lime mortars.

Resistance to salts – the absence of gypsum and cement ensures sulphate attack and alkali-silica reactions are impossible. Excellent performance even in marine environment.

Resistance to bacteria & vegetable growth – alkalinity of lime inhibits growth.

Flexibility - Compressive strength is gained gradually, allowing for movement.

Elasticity – no expansion joints, minimal shrinkage and cracking.

Permeability – condensation dispersion, reduces rot, and promotes a healthy living environment.

Insulation – permeability reduces moisture in structure.



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Low alumina content - less susceptible to attack by salts.

Excellent workability – Free-lime content gives good workability.

Self-healing - Free-lime content also gives the mortar self-healing properties.

Versatility of use – rendering, plastering, pointing, grouts and other building mortars

Reworking – all Roundtower Natural Hydraulic limes can be re-worked within 24 hours.

Recycling – building materials used with Roundtower Natural Hydraulic Limes can be recovered and re-used.

CO2 Absorption – Natural Hydraulic Lime re-absorbs CO2 during carbonation of the free lime.

Examples – a long list of international reference projects.

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

Customer support – as a customer of Roundtower Natural Hydraulic Lime, you can expect a comprehensive support and advisory service, which is second to none.