

## Why Use Roundtower Natural Hydraulic Lime

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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, limecrete and grouts.

**Choice** - Roundtower uniquely has 4 different natural hydraulic limes. An NHL 2, two NHL 3.5s (different colours) and an NHL 5. 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 environments.

**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 healthier living environment.

**Insulation** – permeability reduces moisture in structure.

**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** – 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.

**CO<sub>2</sub> Absorption** – Natural Hydraulic Lime re-absorbs CO<sub>2</sub> 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.