



TECHNICAL DATA SHEET

Natural Hydraulic Lime

RJ 1.05

Description:

Natural Hydraulic Lime is produced by the calcination of limestone that contains silica and/or clay minerals at a temperature in excess of 1000°C. During calcination silica and alumina react with the calcium to produce hydraulic compounds. Hydraulic lime is subsequently hydrated and supplied as a dry powder. It sets faster and has higher strength than non-hydraulic lime. It is important that the correct grade is selected. Seek Technical advice.

Uses:

As binder in lime mortars where higher compressive strength, a faster set and reduced porosity is required. They are used where lime putty mortars are unlikely to be suitable, for example - below ground, canal or tidal walls, exposed external renders, weathering details and sky-facing surfaces. Natural Hydraulic Limes should be mixed with washed sands at 1:2, 1:2½, or 1:3 by volume (depending on application) and used immediately.

Availability:

St Astier NHL2: All 25kg
St Astier NHL 3.5
St Astier NHL5: All grades Ex. stock

Shelf Life:

Up to 6 months stored in original bags and kept cool and dry. Hydraulic limes deteriorate with age and fresh material should always be used.

Observations:

Tradesmen familiar with the Lime Method, and with experience of the successful use of lime should be employed. Accurate volumetric site-gauging and thorough mixing is essential. Hydraulic limes set by a combination of the hydration of the hydraulic compounds and the slow carbonation of free lime in the presence of moisture. The control of the drying and curing process by keeping moist by mist-spraying to promote carbonation, 'tending' to prevent shrinkage crazing, and protecting is crucial to success and long-term performance. Protections are essential. Do not use if there is risk of excessive heat or frost

**Health & Safety:**

See Health and Safety Data Sheet RJ 5.01 A.
CALCIUM HYDROXIDE $\text{Ca}(\text{OH})_2$ Alkali (pH 13).
CAS No. 85117-09-5. EINECS No. 285-561-1.
H318: Causes Serious Eye Damage.
H315: Causes skin irritation.
H335: May cause respiratory irritation.

Technical Data:

Users must refer to the St Astier website (www.stastier.co.uk) for the relevant User Guidelines, Product data, and Health & safety Data.

Technical Advice:

From our Technical Department
01935 83676
info@roseofjericho.co.uk
All product and H & S data can be printed from our web site:
www.roseofjericho.co.uk

Disclaimer:

The information provided in this product data sheet and all technical advice is for guidance and is given in good faith but without warranty, since the site conditions and care and skill of application are beyond our control. We can accept no liability for the performance of our products, beyond the value of the material supplied. This does not affect your statutory rights.