



# Ironstone Mortars

Caring for your older building

## European Standard Performance Tests Ironstone Lime Mortar NHL 5

### Ironstone Chimney/Flagstone Mortar NHL 5

Test	Standard	Performance
Water Addition Rate	EN1015-3	138.43ml per 1kg of mortar
Fresh Mortar Density	EN1015-6	1840 Kg/m <sup>3</sup>
Water Absorption	EN1015 -18	1.4 Kg(m <sup>2</sup> min <sup>0.5</sup> )
Compressive Strength	EN1015-11	2.7Nmm <sup>2</sup> (mean value)
Flexural Strength	EN1015-11	0.612 Nmm <sup>2</sup> (mean value)
Dried Mortar Density	EN1015-10	1717.90 Kg/m <sup>3</sup>
Air Entrainment	EN1015-7	13.50%

### Ironstone Yorkshire NHL 5

Test	Standard	Performance
Water Addition Rate	EN1015-3	138.43ml per 1kg of mortar
Fresh Mortar Density	EN1015-6	1840 Kg/m <sup>3</sup>
Water Absorption	EN1015 -18	1.4 Kg(m <sup>2</sup> min <sup>0.5</sup> )
Compressive Strength	EN1015-11	2.7Nmm <sup>2</sup> (mean value)
Flexural Strength	EN1015-11	0.612 Nmm <sup>2</sup> (mean value)
Dried Mortar Density	EN1015-10	1717.90 Kg/m <sup>3</sup>
Air Entrainment	EN1015-7	13.50%

## Ironstone Chalk NHL 5

Test	Standard	Performance
Water Addition Rate	EN1015-3	154ml per 1kg of mortar
Fresh Mortar Density	EN1015-6	1820 Kg/m <sup>3</sup>
Water Absorption	EN1015 -18	1.59 Kg(m <sup>2</sup> min0.5)
Compressive Strength	EN1015-11	2.83Nmm <sup>2</sup> (mean value)
Flexural Strength	EN1015-11	0.327 Nmm <sup>2</sup> (mean value)
Dried Mortar Density	EN1015-10	1732.83 Kg/m <sup>3</sup>
Air Entrainment	EN1015-7	14.50%

Manufactured in the UK in partnership with Heidelberg Materials Soci  
Ironstone products are CE marked and manufactured under an ISO9001:2015 accredited Factory Production Control System

Womersleys Ltd  
Ravensthorpe Industrial Estate,  
Low Mill Lane, Ravensthorpe,  
West Yorkshire, WF13 3LN, UK

