

## Declaration of Performance

Number: 1328-CPR-0215-13-NHL3.5

NHL 3.5

Revision date: June 2013

Printing Date: June 26, 2013

<p>1. Unique identification code of the product-type: <b>Natural hydraulic lime EN 459-1 NHL 3.5</b></p>																														
<p>2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4): <b>See 1 (above)</b></p>																														
<p>3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer: <b>Intended to be used in applications or materials for construction, building and civil engineering. Provided the product is used in accordance with the relevant application standard and/or manufacturer's advice and/or following the current best practice.</b></p>																														
<p>4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5): <b>Trade name: NHL3.5 Secil Martinganca, S.A. Apartado 2 EC Maceira, 2406-909 Maceira LRA - Portugal Plant: Maceira</b></p>																														
<p>5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): <b>Singleton Birch Ltd, Melton Ross Quarries, Barnetby, North Lincolnshire, DN38 6AE Plant: Melton Ross Tel. +44 01652 686000 Fax: +44 1652 686081 Email: sales@singletonbirch.co.uk</b></p>																														
<p>6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: <b>System 2+</b></p>																														
<p>7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: <b>BS EN 459-1: 2010</b> Notified factory production control certification body No. 1328 performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate of conformity (1328-CPD-0215) of the factory production control.</p>																														
<p>8. Declared performance</p> <table border="1"> <thead> <tr> <th>Essential characteristics</th> <th>Performance</th> <th>Harmonized technical specification</th> </tr> </thead> <tbody> <tr> <td>SO<sub>3</sub></td> <td>≤ 2 %</td> <td rowspan="10" style="text-align: center; vertical-align: middle;"><b>BS EN 459-1:2010</b></td> </tr> <tr> <td>available Ca(OH)<sub>2</sub></td> <td>≥ 25 %</td> </tr> <tr> <td>Compressive strength 28 days</td> <td>≥ 3.5 MPa to ≤ 10 MPa</td> </tr> <tr> <td>particle size, residue by mass</td> <td></td> </tr> <tr> <td>    0,2 mm</td> <td>≤ 2 %</td> </tr> <tr> <td>    0,09 mm</td> <td>≤ 15 %</td> </tr> <tr> <td>free water</td> <td>≤ 2 %</td> </tr> <tr> <td>soundness</td> <td>≤ 2 mm (reference method) ≤ 20 mm (alternative method)</td> </tr> <tr> <td>penetration</td> <td>&gt; 10 mm and &lt; 50 mm</td> </tr> <tr> <td>air content</td> <td>≤ 5 %</td> </tr> <tr> <td>initial setting time</td> <td>&gt; 1h</td> </tr> <tr> <td>final setting time</td> <td>≤ 30 h</td> </tr> </tbody> </table>			Essential characteristics	Performance	Harmonized technical specification	SO <sub>3</sub>	≤ 2 %	<b>BS EN 459-1:2010</b>	available Ca(OH) <sub>2</sub>	≥ 25 %	Compressive strength 28 days	≥ 3.5 MPa to ≤ 10 MPa	particle size, residue by mass		0,2 mm	≤ 2 %	0,09 mm	≤ 15 %	free water	≤ 2 %	soundness	≤ 2 mm (reference method) ≤ 20 mm (alternative method)	penetration	> 10 mm and < 50 mm	air content	≤ 5 %	initial setting time	> 1h	final setting time	≤ 30 h
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<p>9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by: <b>Chris Meyer, Research and Development Manager (Name and function)</b> <b>1<sup>st</sup> June 2013, Melton Ross Quarries (Date and place of issue)</b>  <b>(Signature)</b></p>																														