

<b><u>PRODUCT INFORMATION</u></b>	<b>TYPE OF PRODUCT</b>	Slate Roofing
	<b>COMPANY NAME</b>	North Country Slate
	<b>PRODUCT/COLLECTION NAME</b>	Slate Roofing
	<b>DESCRIPTION</b>	North Country roofing slates come in a wide variety of shapes, colors, and sizes; so while the material is inflexible in the face of nature's challenges, it is extremely flexible in its application.
<b><u>MATERIAL FEEDSTOCK</u></b>	<b>MATERIAL CONTENT</b>	Natural slate rock from sedimentary particles of clay and silt.
	<b>RECYCLED CONTENT %</b>	Natural slate rock.
	<b>RAPIDLY RENEWABLE CONTENT %</b>	Slate rock is renewable.
	<b>HARMFUL ADDITIVES</b>	None
	<b>HARMFUL EMISSIONS</b>	None
	<b>EMISSION STRENGTH OVER TIME</b>	None
	<b>TREATMENTS</b>	None
<b><u>MANUFACTURING</u></b>	<b>MANUFACTURING PROCESS</b>	<p>Slate rock originates from sedimentary particles of clay and silt. Silt and other particles were originally washed down into streams, which transported the particles into ancient seas. As quantities of these particles were deposited over time, successful parallel layers of the material accumulated. These accumulations of sediment, built-up over thousands of years to varying thicknesses, and are called beds.</p> <p>The pressure of successive overlying layers compressed and consolidated the lower underlying sedimentary layers, which forms shale. Year of these geological forces caused great pressure on the underlying shale layers and, as pressures rise, heat and fore loads combined to chemically change original clay materials into harder materials such as chlorite, mica, and quartz. Many years of these combined geological forces transformed relatively weak shale rock into hard slate.</p> <p>The original layering of materials gives slate natural cleavage planes. These natural cleavage planes are what allow slate to be easily split into relatively thin layers. Slate also possesses a natural grain that usually occurs at right angles to cleavage. Roofing slates are commonly split so that the length of the slate runs in the direction of the natural grain.</p>
	<b>HARMFUL EMISSIONS</b>	None
	<b>LOCATION OF MANUF. PLANT</b>	Active roof slate quarries in North America exist in New York, Pennsylvania, Vermont, Virginia, and the Canadian provinces of Quebec and Newfoundland. The main area of slate production in Pennsylvania is the Leigh district. The active Vermont quarry district lies in Bennington and Rutland counties and extends into Washington County in New York. Imported slate is also available from Spain, Wales, China, Brazil, and South Africa.
	<b>TESTS/CODES</b>	-ASTM E108-10 Class A Fire Resistance Rating -FM4473 Class 3 or Class 4 Hail Impact Rating -ASTM D3161-15 Class F Wind Resistance Rating
	<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	NRCA Gold Circle Awards, National Slate Association, Slate Roofing Contractors Association, Vermont Slate Quarry Association
	<b>INSTALLATION PROCEDURE</b>	NRCA recommends the use of underlayments with slate roof systems. Underlayment is applied over a roof deck before the application of roofing slate. Underlayment provides temporary weather protection until the roof covering is installed, and it provides a secondary weatherproofing barrier should moisture migrate below the slate roof covering.
	<b>INSTALLATION ADHESIVES</b>	N/A
<b><u>INSTALLATION</u></b>	<b>UNIT COST</b>	Varies
	<b>LIFE CYCLE ANALYSIS EXTRACTION</b>	North Country roofing slate, when fixed with non-corroding nails or hooks, can provide a service life in excess of 100 years.
	<b>END OF SERVICE LIFE</b>	Recyclable
	<b>QUALITIES/PROPERTIES OF PRODUCT</b>	Durable and long lasting. Resistant to chemical pollutants and acid rain.
<b><u>MISC. PROPERTIES</u></b>		

		<p>Unfading or weathering colors.  Non-combustible and fireproof.  Unaffected by freeze/thaw cycles.  Resistant to hail and other impact damage.  Proven performance on rooftops.</p>
	<b>MISC. COMMENTS</b>	Delivered from stock. Environmentally safe.
	<b>CONTRIBUTION TO LEED POINTS</b>	N/A
<b><u>COMPANY PROFILE</u></b>	<b>GREEN PHILOSOPHY</b>	<p>Slate production of Newfoundland Slate Inc. (NSI) ceased in 1998 and the operations of the company were wound down. However, John had developed a passion for the roofing slate business and immediately created a new division of McAsphalt with the goal that it would source and distribute natural roofing slate. He employed the former sales/marketing staff of Newfoundland Slate and the division he created would come to be known as North Country Slate.</p>
	<b>CONTACT</b>	<p>1(800)975-2835  <a href="mailto:info@ncslate.com">info@ncslate.com</a>  <a href="http://www.northcountryslate.com">www.northcountryslate.com</a></p>
<b><u>MAINTENANCE</u></b>	<b>AFTER INSTALLATION</b>	Maintenance free.