

## Metro SHINGLE Specification

ISS: 7/9/03 REV: 4/9/2007

<b>Size</b>	Length: 52.00" Cover Length: 50"Width: 10.5" Cover Width: 9.75" 31 pcs/Sq.
<b>Accessories</b>	STONE-COATED: Shingle Cap for Ridge & Hip. / Rake Channel X 79". / Z-Bar X 79". / Valley Cover X 79". / Tie-In Metal X 79". / SMART-jack pipe flashing. / SMART-Sleeve pipe covers. / SAMRT-vent ventilator panels. PAINTED: Starter Strip Metal X 120". / Short Course Cleat X 120". / Dbl 'V' Valley 120". / Drip Edge 120". / Side-Wall Underpan metal 120".
<b>Protective Coating</b>	*Galvalume® (*Reg. Trademark of BIEC Intl. Inc.)
<b>Substrate</b>	Steel — ASTM A-792
<b>Mechanical Properties</b>	Grade 33
<b>Base Metal Thickness</b>	.015" Inches
<b>Coating Weight</b>	AZ-50 *Galvalume®
<b>Primer</b>	*Galvalume® Plus or pigmented Color Coating
<b>Minimum Pitch</b>	3:12 (12 Degrees)
<b>Weight</b>	3.6 lbs. Each panel or 112 lbs. / Sq.
<b>Pallet Size</b>	44" W X 55" L X 27" H = Contains 480 Panels & Weighs 2,100 lbs. approximately covering 15.4 Squares approximately.
<b>CONCEALED Fasteners</b>	BATTEN-LESS: Panels are installed from the bottom of the roof up to the ridge. Standard install four (4) fasteners per panel through the back horizontal fastening flange on each shingle panel.
<b>HVHZ</b>	High Velocity Hurricane Zone areas require special fasteners and in a specific pattern. Refer to Metro's HVHZ install details for more information.