

**ZAPPONE COPPER ACCENT**  
**BAY WINDOW ROOF KIT**  
Specification Sheet

**ZR-104:** (Designed for bay windows with 8' opening.) Contains 4 pieces each of starter strip, J-channel and Z-wall counter flashing; 2 pieces of continuous ridge, 65 copper shingles and 8 ounces of nails.

**Material:** Material is CDA 110 copper with a minimum purity of 99.9 + % copper, and approximately 0.04% oxygen present as a cuprous oxide. When exposed to weather it produces a relatively impervious protective film, which eventually forms the familiar patina of weathered copper. It is certified that no free mercury came into contact with the material at any point of its process.

**Design:** The shingle contains a concealed nailing flange and a four-way interlocking mechanism which provides increased stability, resists wind-lift and forms a weather tight seal. The raised butt, tapered channels and smooth pure copper finish provide a distinctive profile and rich appearance.

**Mechanical:** ASTM B152

**Chemical:** ASTM B370

**Shingle Size:** Total – 7 3/4" X 9 1/8", Exposed to Weather– 7 1/4" X 8 1/8"

**Thickness:** .018" (+ or- commercial tolerance)

**Density:** 0.376 lb/cu.in.

**Temper:** 3/4 Hard HO3

**Tensile Strength:** 48,000 psi.

**Yield Strength:** 46,000 psi at 0.5% Extension Under Load

**Elongation:** 6(% in 2 in.):

**Rockwell Hardness:** 77/78 Scale 15T

**Melting Point:** 1981 Degrees F.

**Thermal Conductivity:** 226 BTU/sq.ft./hr.degree @ 68 Degrees F

**Wind Rating:** 110 MPH

**Fire Rating:** Class A,B,C

**ICBO Approval #:** 4995

**Recycled Content:** 85% + (75% Post Consumer)

**Accessories:** (All accessories, except the fasteners, are crafted from the same material as the shingle)

**Starter Strip:** One piece formed unit, 42" length, with 'S' interlock and fascia guard with drip edge.

**J-Channel:** One piece formed unit, 42" length, with anti-capillary water channel.

**Continuous Ridge:** One piece formed unit, 42" length, with anti-capillary water channel.

**Z-Wall:** One piece formed unit, 42" length, with 'S' interlock.

**Fasteners:** 1" Silicone Bronze nails, ring barb shank, min. head size of 3/16th"