

# WHY METRO?



Smart Roofs for Smart People®

## STONE CHIP

**STONE coated steel roofing**— Has been protecting structures around the world for nearly 50-years. With a heart of steel and a solid coating of stone chip it can withstand virtually whatever nature wants to throw at it.

**METRO Stone** — Is specially graded, natural granite in an extremely fine grade, angular faceted chip to increase coating coverage per-square inch. If we can apply more granules per-square inch to each panel, the longer the life the coating will be.

**THE Metro difference** — We didn't stop at a fine grade of chip, we pursued experimentation with our supplier to develop an industry first — a stone chip that's **OIL-FREE**. A critical element when using water miscible acrylic-polymer technology. It is this unique OIL-FREE condition of the Metro fine 18-grade stone chip that separates us from the competition and ensures the best adhesion of stone chip coated panels on the market.

The result is a long-life roof, in either Shingle, Shake or Tile designs to suit any architecture, that's warranted for 120-mph winds, Class-4 Hail resistance and for 50-years against corrosion.

**METRO** —  
(Approx. 18-grade size granules in a special NON-OILED condition)

**RESULT**  
Tight stone-coat matrix with very small crevices between granules that protect basecoat from harmful UV rays.



**COMPETITION** —  
(Approx. 14-grade size Granules coated with MINERAL OIL)

**RESULT**  
Oil & water based acrylic don't mix. Larger crevices between granules that allow harmful UV to degrade the basecoat adhesive.



*Stone-Chip images were magnified 100X using a "Wild-Heerbugg" Microscope — Model M420 with a light source of "Introlux 6000".*



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### Metro Roof Products

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*The opinions expressed in this paper are based on industry experience, independent testing, and analysis by Metro engineers. The purpose, is to explain and promote the unique and distinctive benefits a Stone-Coated Steel roof from Metro can provide.*

*References to stone-chip grade are approximate and merely indicate an average range of chip grading size.*

*\* Metro Stone Chip is produced by ISP in a dry Non-OILED condition.*

