INDEPENDENT LAB TESTING · SGS

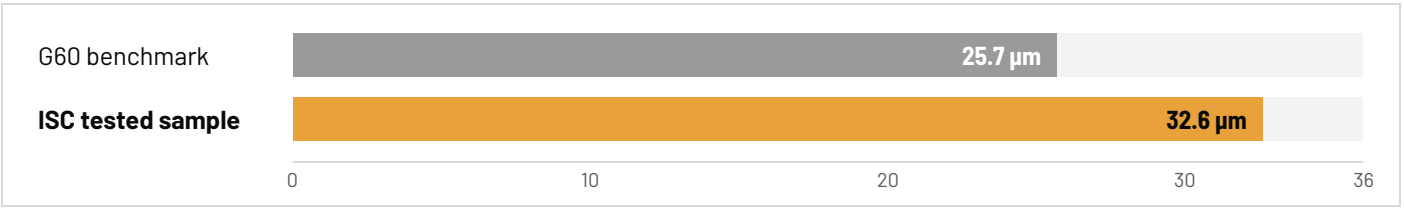
G60 ZINC COATING THICKNESS

Customer summary of independent cross-section measurements on ISC G60 galvanized diamond mesh lath.

MEASURED TOTAL	CALCULATED COATING WEIGHT	G60 COMPARISON
32.6 µm	**0.76 oz/ft²**	**+27%**
A side 15.9 + B side 16.7	Approx. 233 g/m² total	Above the G60 benchmark

MEASURED THICKNESS VS. G60 EQUIVALENT

Total zinc coating, both sides



01
G60 IS A COATING-WEIGHT RATING

G60 requires 0.60 oz/ft² of zinc, measured as the combined coating weight on both sides of the steel sheet.

02
CONVERT WEIGHT TO THICKNESS

Using a zinc density of 7.133 g/cm³, the G60 total coating weight equals approximately 25.7 µm of zinc.

03
COMPARE THE MEASURED SAMPLE

The lab averages total 32.6 µm, which is 6.9 µm, or about 27%, above the G60 equivalent benchmark.

CUSTOMER TAKEAWAY

The tested sample shows a calculated zinc coating of approximately 0.76 oz/ft² total, about 27% above the 0.60 oz/ft² G60 benchmark.

IMPORTANT CONTEXT

G60 is formally specified by coating weight. This summary converts independent thickness measurements to an equivalent coating weight using zinc density. See page 2 for the test data and calculation.

01 COATING THICKNESS RESULTS

Cross-section microscopy, 500×

SIDE	1	2	3	4	5	AVERAGE
A SIDE	15.79	16.75	16.40	14.74	15.96	**15.9**
B SIDE	15.18	17.36	17.01	17.01	16.83	**16.7**
COMBINED						**32.6**

All values in microns (µm). Five measurement points per side. Averages as reported by the lab.

MEASURED CROSS-SECTION

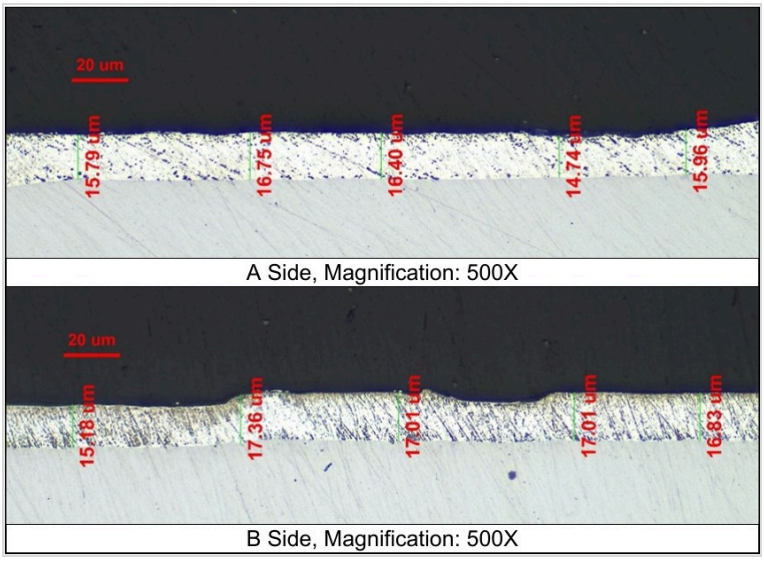
- A side zinc · 15.9 µm
- STEEL SUBSTRATE
- B side zinc · 16.7 µm

02 CALCULATION

G60 BENCHMARK	EQUIVALENT ZINC THICKNESS	MEASURED SAMPLE
0.60 oz/ft²	**25.7 µm**	**32.6 µm**
≈ 183 g/m² total	183 ÷ 7.133	≈ 0.76 oz/ft²

32.6 µm ÷ 25.7 µm = 1.27× | approximately 27% above G60

03 VISUAL EVIDENCE



Lab cross-section images at 500× magnification, with the five measurement points on each side.

IN PLAIN TERMS

- The zinc layer was measured at five points on each side of the steel.
- The average is 15.9 µm on side A and 16.7 µm on side B.
- Together, the measured coating is 32.6 µm total.
- That converts to about 0.76 oz/ft² of zinc, above the G60 rating of 0.60 oz/ft².

TECHNICAL NOTE

G60 is formally specified by coating weight and ASTM sampling procedures. This report is a thickness-to-weight equivalency using zinc density. It supports the G60 comparison but is not a substitute for a formal ASTM A90 coating-weight test or the complete lab report.

SOURCES

1. Independent laboratory test report (SGS), ISC test ref. ISC-G60-2607, issued July 14, 2026.
2. ASTM A653/A653M-25a, zinc-coated steel sheet coating designations. G60 = 0.60 oz/ft² total, both sides.
3. NIST zinc density 7.133 g/cm³. Conversion uses 1 oz/ft² = 305.152 g/m².