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Arnhem, May 16, 2011

**Subject: Hot deep galvanizing test on a perforated cable tray according the standards
ASTM A90/A 90M – 01 and EN ISO 1461:1999**

Whom It may concern,

Enclosed you receive the results of the hot deep galvanizing test on the delivered perforated cable tray with a length of 1000 mm, a height of 50 mm and a width of 400 mm. The thickness of the cable tray was 1.5 mm. The delivered perforated cable tray has been galvanized by ELTEL MIDDLE EAST. The hot deep galvanizing tests were performed in accordance with the standards ASTM A90/A 90M – 01 and EN ISO 1461:1999 (TIC order number 70022904).

Table 1 The results of the determination of the mass of zinc per area by the gravimetric method

sample number	surface area sample mm ²	zinc content mass in g/m ²
1	8892	399
2	11750	381
3	8058	381
average		387
stdev		10

As the standard ASTM A90/A 90M – 01 only describes the procedures for determining the weight (mass) of coating on iron or steel sheet no minimum values of the mass of zinc are mentioned in this standard.

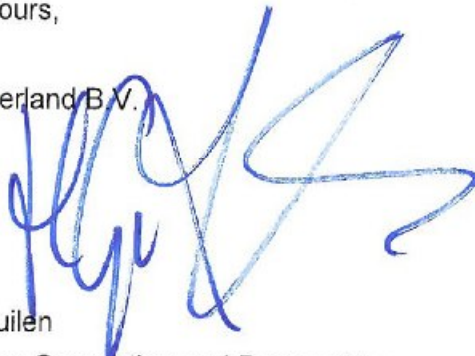
The standard EN ISO 1461:1999 Annex D.1 states that for steel with a maximum thickness of 1.5 mm the local coating should be 250 g/m² while the mean coating should be at least 325 g/m². The measured values in the test of the three samples comply with the standard.

Conclusion

The measured values of zinc on the delivered cable tray comply with the standard ASTM A90/A 90M – 01 and the standard EN ISO 1461:1999 Annex D.1.

Sincerely yours,

KEMA Nederland B.V.



H.G. van Zuijlen

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