



Appearances of hot-dip galvanized coating

Hot-dip galvanizing is one of the most economical, maintenance-free corrosion protection systems available.

The appearance of the hot-dip galvanized coating can vary from piece to piece, and even section to section of the same piece. Common appearances for hot-dip galvanized steel immediately after galvanizing include bright and shiny, spangled, matte gray, and/or a combination of these. There are a number of reasons for the non-uniform appearance; however it is important to note appearance has no bearing on the corrosion protection of the piece. Furthermore, in time, after exposure to the environment, all galvanized coatings will take on a uniform matte gray appearance.



Rough coating due to phosphorous levels over 0.04%
(Acceptable unless on a handrail)



Gray coating due to temperature differences
(Acceptable)



Shiny vs Dull
(Acceptable)



Gray coating due to processing
(Acceptable)