

QUESTION

Is hot-dip galvanized steel considered anti-sparking?

ANSWER

Yes, hot-dip galvanized coatings, like those provided by the batch hot-dip galvanizing process, are considered non-incendiary and non-sparking. In fact, all zinc coatings (except those alloys with 30% to 55% aluminum) are considered anti-sparking.

Anti-sparking properties are especially important in underground applications such as coal mines or when hazardous gas mixtures or vapors are present. Hot-dip galvanized steel can be used in such applications.

Reference: *Corrosion Resistance of Zinc and Zinc Alloys* by Frank Porter



Copyright © 2011 American Galvanizers Association (AGA). The material provided herein has been developed to provide accurate and authoritative information about after-fabrication hot-dip galvanized steel. This material provides general information only and is not intended as a substitute for competent professional examination and verification as to suitability and applicability. The information provided herein is not intended as a representation or warranty on the part of the AGA. Anyone making use of this information assumes all liability arising from such use.