

## Overview

Although Zinga can be best compared to Hot Dip Galvanizing (HDG) the list of key points below should be kept in mind when comparing Zinga to anything commonly regarded as competition including HDG, Zinc metallization and zinc rich primers.

## Key Points

- Zinga contains 96% zinc by weight, pure to 99.995%.
- Zinganising is an environmentally friendly process with no hazardous by-products.
- Zinganising does not have any component size limits.
- Zinganising is a cold process so there is no fear of distortion in thin materials or long components.
- Zinganising does not present any potential hydrogen induced cracking to load bearing welds.
- Welded and sealed sections, tubular sections and tight back-to-back angles do not have to be drilled for degassing when Zinganised.
- Zinga produces a totally flat surface finish with no hazardous “snotters” or sharp zinc spikes.
- Metal that has been coated with up to 60µm of Zinga can be welded to X-ray standard without the need to grind the edges.
- Zinga can be applied in sub-zero temperatures.
- Zinga can be over-coated with more Zinga in less than an hour.
- Multiply coats of Zinga re-liquefy to produce a single homogeneous layer so Zinganised surfaces can have their active protection “reloaded” at any point in the future with further coats of Zinga with no abrasive blasting required.
- Zinganised metal can be directly over-coated with a wide selection of paints without the need for any costly preparation.
- Zinga can be applied on site and therefore components do not require to be dismantled or transported.
- Zinga can withstand repeated cyclical vibration.
- Zinga is flexible enough to allow Zinganised sheet to be formed into shape *after* it has been coated.
- Zinga has an unlimited pot life *and* an unlimited shelf life.
- Zinga is certified as non-flammable to BS476 parts 6&7 and when exposed to extreme heat it produces very low levels of smoke with very low levels of toxicity.
- Zinga is certified to BS6920:2000 for use in contact with drinking water.
- Zinga continuously blocks its porosity with zinc oxide products thus creating an additional barrier resistance to attack.
- Zinga has a matt finish (boundary layer of oxides etc. vital to its longevity).
- Zinga cannot coat the inside of pipes etc. without them first being blasted.