

Overview

Although Zinga is truly a unique product, it nevertheless always seems to be compared to another zinc based product called Galvafruid which is widely used for touching-up damaged HDG and weld seams. This document is designed to highlight the principle differences between Galvafruid and Zinga to ensure that everybody is suitably informed.

Galvafruid

Galvafruid is a resin based product as opposed to Zinga which is based on an organic binder. This resin interferes with the conductivity between the zinc particles and between the zinc and the steel substrate whereas the binder in the Zinga has virtually no effect at all on the conductivity. The combination of reduced zinc content and reduced conductivity means that Galvafruid is simply not able to provide the same level of cathodic protection to steel and rarely matches the performance of hot-dip zinc let alone Zinga.

Please Use the Chart below to make your comparisons:

Reference	Galvafruid	Zinga
Zinc Content by Weight	90-92%	96%
Shelf Life	1 Year	Unlimited
Pot Life	24 Hrs	Unlimited
Drying Time (Overcoat Itself)	24 Hrs	<1 Hr
Drying Time (To Handle)	24 Hrs	<1 Hr
Drying Time (Overcoat with Paint)	3 Days	24 Hrs
Minimum Application Temperature	5 ⁰ C	-15 ⁰ C
Application to Damp Substrate	Yes	Yes
Maximum Zinc:Solvent Ratio	8:1	20:1
Maximum Working Temperature	116 ⁰ C	160 ⁰ C
Minimum Working Temperature	0 ⁰ C	-40 ⁰ C
Working pH Range	5.0-9.0	3.0-11.0
Totally Non-Toxic in Dry State	No	Yes
Certified for Potable Water	No	Yes
Certified as Fire Retardant	No	Yes
NATO Approval	No	Yes
MoD Approval	No	Yes
BBA Approved	No	Yes