



Galvany IZ4190

Product Description	A single package, modified inorganic zinc silicate primer with outstanding resistance to corrosion. It can be applied topcoat after 30 minutes at 20 °C/68 °F. Suitable topcoats include vinyls, urethanes, epoxies, chlorinated and acrylics. Approved as Prefabrication Primer by Lloyd's Register of Shipping (LR) and Korean Register of Shipping (KR). Acquired CE Mark from Det Norske Veritas (DNV) as surface materials and floor coverings with low flame spread characteristics.
Recommended Use	As a single coat or with topcoat for protection of steel exposed to severely corrosive environment, including marine atmosphere and heavy duty service. Excellent for repair of galvanized steel, inorganic zinc primers and inorganic zinc/organic topcoat system. Not recommended for immersion or in direct exposure to acid or alkalis without suitable topcoat.

Physical Properties

Finish and Color	Flat. Metal Grey
Drying Time	At 20 °C/68 °F, Set to touch : 6 min Dry through : 30 min * The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.
Solids by Volume	Approx. 48 %
Theoretical Spreading Rate	6.4 m ² /L in 75 μm dry film thickness on a smooth surface.
Specific Gravity	Approx. 2.1
Flash Point	42 °C/108 °F(Closed cup)

Application Details

Surface Preparation	Remove any oil, grease, dirt and any other contaminants from the surface by proper method such as solvent cleaning and fresh water washing, etc. * Steel : Blast cleaning to Sa2.5, etc. * Shop-primed steel (approved inorganic zinc silicate) : Blast cleaning to Sa2.5 or power tool cleaning to St3, etc. on welds and damaged parts. Sweep blast cleaning to Sa1 to remove zinc salts and contaminants. * Other shop-primed steel : Blast cleaning to Sa2.5 and/or power tool cleaning to St3, etc. * Weld seams, burned and rusty areas after application of main inorganic zinc coating : Blast cleaning to Sa2.5 and/or power tool cleaning to St3 (Disc grinding with 16mesh sized disc sander).
Application Conditions	The surface should be completely cleaned and dried. The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined spaces, provide adequate ventilation during application and drying.
Thinning	Thinner No. 002 May be diluted up to 20 % by volume.

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.



KCC Corporation

Galvany IZ4190

Application Method	Stir material thoroughly until uniformly blended. Agitate slowly during application. The following equipment is listed as a partial guide and suitable equipment is listed as a partial guide and suitable equipment from other manufacturers may be used. Adjustments of pressures and change of tip size may be needed to achieve the proper spray application. * For conventional Spray ; Industry equipment such as Devilbiss MBC or JTA or Binks No.18 or 62 spray gun. A moisture and oil trap in the main air supply line, mechanical pot agitator and separate air fluid pressure regulators are recommended. * For airless spray ; Standard airless spray equipment such as Graco Bulldog Hydra spray or larger, with a 0.43 ~ 0.53mm(0.017 ~ 0.021inch) fluid tip.
Film Thickness	75 μ m dry.
Recoating Interval	At 20 °C/68 °F, Minimum : 30 min Maximum : Free
Subsequent Coat	May be topcoated with epoxy, vinyl, chlorinated rubber, or others.
Shelf Life	6 months
Standard Packing Unit	160 L
Remarks	Protect skin and eyes, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended when applying this material in confined spaces or stagnant air.
Issued	April 2008