

Bond Guard ZRC-112

Non-Phosphated Surface Treat & Seal

ZRC-112 non-phosphated conversion treatment for bonding and providing corrosion resistance for paint coatings on steel and nonferrous metals. Provides low temperature operation and a greener pretreatment process. Can be used as the conversion coating and the final dry in place rinse sealer.

ZRC-112 promotes coatings on difficult surfaces of both ferrous and non-ferrous metals. ZRC is highly effective on Weldment areas and high alloy surfaces which can typically be a problem with conventional pretreatments. Provides superior quality of top coatings and finishes.

ZRC-112 zirconium technology enhances finished product quality by providing a wider window of process capability and repeatable performance under paints and coatings. Highly effective on aluminum surfaces. Meeting AAMA 2603, 2604, 2605 salt spray protection up to 4000 hours.

Features & Benefits

- Phosphate free
- Low temperature energy savings
- High performance
- Very low use cost.
- Reduced maintenance
- Lower sludging
- Concentrated liquid which easily mixes in water.
- Provides equivalent or improved performance over conventional phosphate
- For use in spray or immersion processes

Physical Data

pH	2.5 +/-
Product Type	Liquid
Spec. Gravity	1.035
lbs./gal.	8.63
Foam, 0 = Low, 9 = High	0
Shelf-Life Years	10 years
Freeze Information	Not damaged by freezing.

Typical Processing



1. Pre clean (power clean)
2. Rinse
3. ZRC 3-4%, 95 -150 f., 45-90 sec., pH 4.5 - 5.5
 - a. (steel pH 5.0-6.0, nonferrous pH 4.5-5.0)
4. Rinse
5. Di or Ro rinse, or final seal rinse for maximum quality.
 - a. **optional no rinse process for nonferrous if required. Dry in place.
6. To dry off and paint.

Packaging

Container Type	Poly
Net Units	479
Tare Wt.	25 lb.
Gross Wt.	497
DOT_Name	UN 3264, Corrosive Liquid, Acidic, inorganic, N.O.S., (Fluorozirconic Acid), 8, PG II.
DOT Hazard	Corrosive
Tarriff ID	2826.19.90

Use Parameters

Concentration Range	2-4% by volume.
Temperature Range	90 – 150 F.
Time Range	30 – 90 sec.
Agitation	Per system.

Waste Disposal

Neutralize, remove metals if present.

Holding Tank Materials of Construction

Acid resistant, stainless, or poly.

Other Information

It is important that the OSHA DATA, "Material Safety Data Sheet" be carefully read and reviewed with the users of this product. OSHA data is required to be posted in the work area by law.



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Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

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