

# NuKoat

## Technical Data Sheet

### NuKoat Ultra Seal 1

**Liquid non-chrome, Organometallic polymer final rinse for iron or zinc phosphated metal surfaces. Apply by spray or immersion.**

**Description:**

**NuKoat Ultra Seal 1**, is a liquid, Neutral pH, chrome-free, reactive final seal for iron or zinc phosphated conversion coatings. Applied by spray or immersion, **NuKoat Ultra Seal 1** reacts with the iron phosphated surface to significantly improve powder/paint adhesion. Improves corrosion protection and salt spray test results. Highly concentrated this product is run at extremely low operating concentrations.

**Bath Make-up:** Fill the tank up (RO or good quality water). Begin to circulate and add 2.5 gallons of **NuKoat Ultra Seal 1** per 1000 gallons of bath. Mix thoroughly and check pH. pH will match make-up water.

**Bath Replenishment:** It is normally the easiest to maintain bath through "Estimating Drag-out." Once the bath reaches 400 ppm TDS you need to dump bath and recharge or bleed bath down 50% of volume and replenish.

**Availability:** 5-gallon and 55-gallon containers; 300-gallon tote-bins and bulk tankers.

- Improves rust protection and paint adhesion after Iron or zinc phosphating.
- Significantly improves salt spray testing results.
- Improves humidity resistance.
- Reacts quickly and predictably.
- Non-foaming – allows for use in unheated spray washers .
- Is free of heavy metals.

**Shipment:** Freight classification is "Cleaning Compound, NOBIN Non-Hazardous."

**Storage:** Keep from freezing. Store between 40-120°F.

**Disposal:** Dispose of in accordance with local, state, and federal regulations.

**For Information contact NuGeneration Technologies at  
888-99-NuGen or email: [info@nugentec.com](mailto:info@nugentec.com).**



**NuKoat Ultra Seal 1**



### Application:

NuKoat Ultra Seal 1 is applied by either spray or immersion in the final rinse of a Phosphating process. NuKoat Ultra Seal 1 should be run at 0.25 % by volume with water at 70-110°F for 15-seconds to 1-minute depending on the application.

### Typical Usage Parameters:

NuKoat Ultra Seal 1	
Description	Iron & Zinc Phosphate Adhesion Promoter
Concentration Range	0.25% (2.5 gallons per 1,000)
Operating temperatures	70 up to 110°F
Time (min)	As required 15-60 seconds
Spray Pressure	10-15 psi
Aluminum, zinc, galvanized	•



### Physical Properties:

NuKoat Ultra Seal 1	
pH, concentrate	7.0
pH, @ 0.5% bv	6.8-7.5
Bulk density, #/gal	10.6
VOC	0 g/L
Flash point	None
Chelates	None
Solubility in water	Complete
Biodegradable	Yes
Silicated	No



### Safety:

Please make sure you have read and understand the product label and MSDS before using this product. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Wash thoroughly after handling. Observe label precautions.



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