

### NuKoat Final Seal DG: Non-chrome, Non-nitrited liquid final rinse for phosphated metal surfaces. Apply by spray or immersion.

#### Description:

NuKoat FINAL SEAL DG is a non-chrome, non-nitrited liquid final seal for Iron and Zinc phosphate conversion coatings on steel, aluminum, zinc and their alloys. Reacting and sealing the metal surface to enhance its paint bonding and corrosion resistance. Environmentally friendly formula for easy disposal and handling. Improves paint adhesion, corrosion protection and salt spray test results. Counteracts effects of hard water salts usually present in rinse water tanks.

#### Application:

NuKoat FINAL SEAL DG is applied by either spray or immersion in the final rinse of a Phosphating process. Coatings can be heat-treated. NuKoat FINAL SEAL DG should be run at 0.25-2.0% with water at 70-110°F for 15-seconds to 1-minute depending on the application.

- Improves rust protection and paint adhesion after iron/zinc phosphating.
- Non-foaming – allows for use in unheated spray washers.
- Non-caustic – eliminates caustic dry down.
- Non-nitrited – prevents formations of nitrosamines.

#### Typical Usage Parameters:

	NuKoat FINAL SEAL DG
Description	Ferrous & non-ferrous Spray & Immersion
Concentration Range	0.25 to 2.0%
Operating temperatures	70 up to 110°F
Time (min)	As required 15-60 seconds
Ferrous metals	•
Aluminum, zinc, galvanized steel	•

#### Physical Properties:

	NuKoat FINAL SEAL DG
pH, concentrate	5-7
pH, @ 0.5% bv	6.5
Bulk density, #/gal	8.6
VOC	0 g/L
Flash point	None
Solubility in water	Complete
Biodegradable	Yes

#### Solution Control:

- 1) Fill a 250 ml flash to the 100 ml mark with solution to be tested.
- 2) Add 5-7 drops of neutral red. The color will be yellow.
- 3) Titrate with 0.1N acid until the solution turns red.
- 4) Record the number of 0.1N acid used as T.
- 5)  $T \times 0.6 = \% \text{ by volume of NuKoat Final Seal DG.}$

**Availability:** Available in 5, 55 and 300 gallon containers. Bulk tank shipments also available.

**Shipment:** Freight classification: "Cleaning Compound, NOBIN – Liquid."

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

**Disposal:** Dispose of in accordance with local, state, and federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-NuGen or email: [info@nugentec.com](mailto:info@nugentec.com).