

# ROYAL RC-12

## Product Bulletin

Royal RC-12 is the next generation in a high performance waterbased sucker rod coating. Formulated using Royal's proprietary polymer technology coating integrity can withstand the coldest of winters and the hottest of summers. In addition to its outstanding protection properties, it significantly reduces the hazards of working with volatile compounds found in other VOC coatings. RC-12 cannot ignite and because it does not create any toxic vapors, the odor, headaches, and nausea often associated with other coatings are completely eliminated. Royal RC-12 provides greater corrosion resistance for rods and greater health protection for workers.



### KEY FEATURES

- MUD CRACK FROM SUN ELIMINATED
- OUTSTANDING CORROSION RESISTANCE
- ZERO VOC / ZERO HAPS
- NOT FLAMMABLE
- NO HAZARDOUS WASTE
- NO DIP TANK SKINNING
- VERY LOW FOAM
- CLEAN UP WITH WATER
- NACE SP0195-2007 HYDROCARBON REMOVAL – DOES NOT CLOG PUMPS

**DRYING , 6 MIL DFT , 77F , 50% RH**  
(Results will vary with temperature, humidity and DFT)

Tack Free: 60 minutes  
Water Resistance: 4 hours

### SAFETY PRECAUTIONS

Read material safety data sheet before use. Wash and clean up thoroughly with soap and water after handling.

### APPLICATION METHODS

Conventional....Fluid Pressure: 10 – 20 psi , Tip: .040" - .045"  
....Atomization Pressure: 45 – 60 psi  
Airless....Pressure: Adjust as needed ,Tip: .015" - .019"  
Brush, Roller or Dip

### SPECIFICATIONS

Films that offer optimum corrosion protection are 3 mils dry over rod profile. If profile is 3 mils then total coat thickness is 6 DFT  
Reduce with water (*NEVER THIN WITH SOLVENTS*)

### DISCLAIMER

The information contained in this bulletin is, to the best of our knowledge, true and accurate; but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

### PHYSICAL DATA

Colors	Black
Finish	20 – 30 GU
Components	1
Packaging	5,000 Gal Bulk 275 Gal Totes 55 Gal Drum 5 Gal Pail
VOC	< 5 grams/liter
Shelf Life	1 Year unopened
Surface Temp(F)	40 - 120
Volume Solids (%)	35 - 40
Viscosity (Stormer)	55 – 60 KU
Flashpoint(F)	>230 closed cup

### SURFACE PREPARATION

Minimum SSPC-SP26 , NACE #1 , 31 GP 404 TYPE 1 , SA. 3 OR BS4232 FIRST QUALITY

### RECOMMENDED SPREAD RATE PER COAT

	Minimum	Maximum
Wet mils (microns)	10(250)	15(200)
Dry mils (microns)	4.0(100)	6.0(150)
Coverage ft <sup>2</sup> /gal (m <sup>2</sup> /l)	160(4)	107(2.6)

### PERFORMANCE CHARACTERISTICS

UV Condensation Method ASTM D4587  
Result: 168 HRS , No Cracking  
Salt Fog Resistance Method ASTM B117  
Result: 24 HRS , rating 10  
Flexibility Method ASTM D522 3/8"  
Result: 180 degree bend passes  
Water Resistance Method ASTM D1308  
Result: Passed , no blistering

### MANUFACTURED BY

Royal Coatings Inc.  
3014 Dauphin St Ste A, PMB 48447,  
New Orleans, LA 70117-6755  
Phone: (504) 392-8811 Fax: (504) 392-2173  
sales@royalcoatings.net | www.royalcoatings.net