



# JCHEM-SC STEEL COTE

## Technical Bulletin

**STEEL-COTE** is a solvent based pretreatment chemical which provides sealed phosphate coating on steel and electro Galvanized surface. It provides similar protection to steel surface like zinc phosphate and as such will prevent rust and rust creep. It also improves paint and lacquer adhesion.

**STEEL-COTE** is easily applied by spray, brush, and dip or wiping. It is therefore ideal for application on wide range of steel articles which are too large for normal phosphatizing or with design consisting of concealed or inaccessible area.

**STEEL-COTE** can be applied on steel coated with iron phosphate to enhance the corrosion resistance. It is most useful to engineering workshop whose output does not require a phosphatizing process line.

### CHARACTERISTICS

1. A solvent based chemicals which provides sealed phosphate coat.
2. Ease in application.
3. No effluent treatment required.
4. Provides coating for inaccessible area.
5. No rinsing or heating required.
6. Economical, coverage 30 - 60 m<sup>2</sup>/Liter
7. Coating weight: 2.1 - 2.6 gm/m<sup>2</sup> (200 - 240 mg/ft<sup>2</sup>).

### OPERATING INSTRUCTION

The steel material must be degreased to ensure good result. **Solvent wiping** or alkaline degreasing can be used. All surface rust should be removed prior to application of **STEEL-COTE**.

**STEEL-COTE** is applicable neat by spraying, dipping, brushing or wiping. Air dries for about 5 minutes before painting or temporary storage.

In dipping process the container should be solvent resistant and possibly acid resistant as **STEEL-COTE** is slightly acidic. The liquid level should be well below the tank top rim to retard evaporation. The tank should be fitted with a drain tray sloping downwards towards the tank.

The specific gravity of **STEEL-COTE** is normally tested during replenishing. Thinner should be added to ensure that **STEEL-COTE** is not too viscous. The following data serves as guide:-

#### TEMPERATURE

23 - 27 °C  
27 - 30 °C

#### SPECIFIC GRAVITY

0.890 - 0.903  
0.864 - 0.890

### SAFETY PRECAUTION

**STEEL-COTE should** be used in location with good ventilation. Rubber hand gloves must be worn when handling the liquid.