

# Slickote®

1680 Miller Ave. Los Angeles, CA  
90063

## TECHNICAL DATA

### **Thermkote 100Z**

Graphite, Carbon Black, Resin Bonded Solid Film Lubricant Coating,  
Heat Dissipating without Outgassing

#### Product Description

Thermkote 100Z is a heat cured Graphite, Carbon Black- resin bonded solid film lubricant coating.

#### Intended Uses

Provides a decorative lubricating finish for anodized aluminum castings (black- anodized appearance)

Applied over sealed or unsealed anodized aluminum - Impact Resistant, (not for food use)

Provides corrosion protection, chemical and solvent resistance for metal surfaces.

Used by lighting manufacturers to:

Dissipate Heat

Eliminate fog inside sealed lighting fixtures when hot

Resists thermal shock (cold rain on hot fixtures)

#### Application Procedure

Metal Preparation: All surfaces must be thoroughly cleaned, degreased, free of rust, oxides or other surface impurities. Recommended pretreatments:

Aluminum – anodized (sealed or unsealed), chemical conversion coat

Steel – abrasive clean and phosphate coat or acid etch primer

Stainless Steel or Titanium – abrasive clean

1) Mix well before use, mechanical paint shaker preferred

2) Use as is or reduce with acetone: up to apx. 1 part paint to: ½ part acetone by volume

3) Apply with spray gun , or dip coat. Use constant mixing pot for best results (Thickness apx: 0.3 to 0.5 mil)

4) Heat cure, 300 deg F for 1 hour (add apx 5 min for parts to come to temperature)

5) Verify pretreatment and cure using- tape adhesion and solvent rub test.

#### Physical Properties

Color: Black -semi gloss or low gloss

Dilution: Use as is or reduce with acetone: up to apx.1 part paint to: ½ part acetone by volume

Wt/Gal 8.68Lbs/gal

App.temp: Ambient (< 90 degF)

Cure: 300 deg F for 1 Hour

Shelf Life: 1 year from date of manufacture

Storage: Store in closed container. Store between 32 deg F and 75 deg F

VOC: 0 g/l or 0 lbs/gal (AQMD Rule 1124)

This product contains only Acetone solvent (VOC exempt) and dispersed solids

Solids: >40.0%