

# PRODUCT

## INFORMATION



## Techgard® 30% Silicone Alkyd

S5630, (White/Tint Base)  
S5634, (Neutral)  
S5631, (Black)  
S5633, (Safety Red)  
S5632, (Safety Yellow)

### DESCRIPTION :

Techgard® 30% Silicone Alkyd Enamel is a heavy duty, interior/exterior, silicone high gloss, alkyd, protective topcoat. Provides a tough, flexible finish with the ultimate in gloss and color retention and long-term exterior durability for a single component alkyd.

Techgard® 30% Silicone Alkyd Enamel is suitable for use in areas of intense sunlight, humidity, and moderate petroleum vapors. May be used in USDA inspected facilities. The high gloss provides a long lasting "wet look."

### USES :

Structural Steel Areas of intense sunlight and high humidity  
Galvanized  
Structural steel  
Aluminum  
Masonry  
Concrete  
Exterior equipment

**SIZES :** Available in 1 gallon containers

### SURFACE PREPARATION :

Surface must be free of dirt, oil, moisture, grease, and other contaminants. Ferrous Metal - should be primed for better protection.

#### Minimum recommended surface preparation:

Iron & Steel: SSPC-SP2  
(MUST BLAST CLEAN FOR A (1-2 mils) SURFACE PROFILE

Aluminum: SSPC-SP1  
Galvanizing: SSPC-SP1  
Concrete & Masonry: SSPC-SP13/NACE 6

#### Tinting:

Tint with 844 colorants

### TECHNICAL DATA

**Vehicle:** Alkyd  
**Components:** One (colors: white/tint base, black, safety red, yellow, neutral)  
**Sheen:** High Gloss  
**Flash Point:** 112°F, PMCC  
**% Solids:** By Volume: 62%  
**VOC Level:** 2.59 lbs./gal. (310 gm/l) maximum  
**Rec. Film Thickness:** 3.5 - 5.0 mils wet film  
**Rec. Film Thickness:** 2.0 - 3.0 mils dry film  
**Spreading Rate:** approx. 330 - 490 sq. ft./gal.  
**Shelf Life:** 24 months unopened @ 77° F  
**Drying Time @ 77°F (25°C):** Set to touch 4 hr. Dry to handle 8 hrs. Dry to recoat min. 18 hrs. Addition of colorant will slow dry times.  
**Thinning:** Not recommended  
**Cleanup:** Mineral Spirits.  
**Limitations:** NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5°F (3°C) Do not apply when surface temperature is less than 50°F.

### INDUSTRIAL USE ONLY

Technical Information Line:  
1-800-BUY-PRAT (1-800-289-7728)

Website Address:  
[www.prattandlambert.com](http://www.prattandlambert.com)

## Application

**Airless:** Pressure 2700-3000 psi  
Hose 3/8" ID  
Tip .013 - .017"  
Filter 100 mesh

**Conventional:** Gun Binks 95  
Tip 63B  
Cap 63 PB  
Atomization Pressure 50 - 60 psi  
Fluid Pressure 10 - 20 psi

**Brush:** Natural or Nylon/Polyester

**Roller:** 1/4"-3/8" woven with phenolic core

## PHYSICAL TEST DATA\*

### ADHESION

- Method: ASTM D3359, Method B  
Result 5B, 100 % Retention

### EXTERIOR DURABILITY

- Method: 1 Year at 45° South  
Result: Excellent

### FLEXIBILITY

- Method: ASTM D522, 180° bend, 1/8" mandrel  
Result: Passes

### FLAME SPREAD RATE

- Method: ASTM E84, Tunnel Test  
Result: Class A noncombustable surfaces

### IMPACT RESISTANCE, DIRECT

- Method: ASTM D2794 Tunnel Test  
Result: 40 in. lb.

### PENCIL HARDNESS

- Method: ASTM D3363  
Result: 4H

### PROHESION

- Method: ASTM G85, Annex 5, 2000 hourst  
Result: Rating 10 per ASTM D610  
No blistering, no adhesion loss, no loss of filmm integrity

### SALT FOG RESISTANCE

- Method: ASTM B117, 1000 hour  
Result: Rating 9 per ASTM D610, less than .03% surface rusting

### ACCELERATED WEATHERING

- Method: ASTM G53 (UVA-BULB) 2000 hours  
Result: Retains 72% of initial gloss

Provides performance formulated to meet federal specifications: TT-E-1593B

## RECOMMENDED SYSTEMS

### FERROUS METAL:

- 1 coat Steeltech® Rust Inhibitive Metal Primer (S4551 or S4556) at 3.0-4.0 DFT/coat  
(and)

- 1 or 2 coats Techgard® 30% Silicone Alkyd at at 2.0 - 3.0 DFT/coat

### ALUMINUM/GALVANIZED:

- 1 coat Latex Wash Primer Z1 at 0.7 -1.2 mils DFT  
(and)

(and)

- 1 or 2 coats Techgard® 30% Silicone Alkyd at at 2.0 - 3.0 DFT/coat

### MASONRY/CONCRETE BLOCK:

- 1 coat Enducryl® Heavy Duty Block Filler Z8465 at recommended thickness  
(and)

(and)

- 1 or 2 coats Techgard® 30% Silicone Alkyd at at 2.0 - 3.0 DFT/coat

For Additional Recommended Coating Systems Contact Your Pratt & Lambert Sales Executive.