



Alkyd Shopcoat Primer OTC Compliant

SA3102 – Gray – OTC Compliant
SA4501 – Red Oxide – OTC Compliant

Alkyd Shopcoat Primer –OTC is formulated as a high solids, fast-drying, rust-inhibitive heavy duty primer that offers outstanding, extended protection for structural steel and miscellaneous steel metal parts subjected to normal industrial environments for up to 6 months. It is easy to apply by spray, fast-drying and can be topcoated with alkyd and latex coatings.

- Corrosion and rust-inhibitive protection
- Weld-through formula
- Abrasion resistant
- Good coverage and excellent hiding power
- Fast Drying – Dries to touch in 15 minutes
- Interior/Exterior Use
- Topcoat with latex and alkyd enamels

Recommended Uses

Use this product on properly prepared surfaces of steel such as structural steel, machinery and equipment, racking, piping, bar joists, joists, handrails and tank exteriors.

Recommended Systems

Steel (Alkyd Topcoat)

1 coat Pratt & Lambert® Alkyd Shopcoat Primer - OTC
1-2 coats Pratt & Lambert® Industrial Alkyd Enamel HS

Steel (Acrylic Topcoat)

1 coat Pratt & Lambert® Alkyd Shopcoat Primer - OTC
1-2 coats Pratt & Lambert® Acrylic Waterborne DTM

Technical Data

Vehicle:	Alkyd
Finish:	Flat
Flash Point:	95°F, PMCC
Volume Solids:	Gray: 56 ± 2% Red Oxide: 57 ± 2%
Weight Solids:	Gray: 78 ± 2% Red Oxide: 79 ± 2%
Weight/Gallon:	Gray: 12.4 lb/gal Red Oxide: 12.7 lb/gal

VOC (less exempt solids):

Gray: VOC: 332 g/L - 2.77 lb/gal as per 40 CFR 59.406
Red Oxide: VOC: 326 g/L - 2.72 lb/gal as per 40 CFR 59.406

Recommended Film Thickness:

2.0-3.0 mils dry

Spread Rate: 400 sq. ft. per gallon

Application: Apply by airless spray, conventional spray, or brush

Drying Time (@ 77°F, 50 % R.H.):

Note: Drying times are temperature, humidity and film thickness dependant.

To Touch:	15 min
Tack Free:	1.5 hours
To Recoat:	7 hours

Primer coats used for exterior applications should not be left untopcoated in excess of six months.

Reduction: Not Required

Clean-Up: Mineral Spirits

Tinting: Do not tint

Sizes: 5 Gallon

Shelf Life: 12 months

FOR INDUSTRIAL USE ONLY

As of 4/26/13, complies with:

OTC	✓
ETC	✓
SCAQMD	
CARB	
LADCO	✓

Product Data Sheet

Surface Preparation

WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

Surface must be clean, dry & in sound condition. Remove all oil, dust, grease, dirt, loose rust and other foreign materials to ensure adequate adhesion. **Do not use hydrocarbon solvents for cleaning.**

Not recommended for immersion service or exposure to acid, alkalis or strong solvents.

Iron & Steel: Minimum surface preparation is Hand Tool Clean SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3. Primer recommended for best performance.

According to AISC, shop coat primers are intended for protection for only a short period of exposure in ordinary atmospheric conditions, and is considered a temporary and provisional coating. Primer coats used for exterior applications should not be left untopcoated in excess of six months.

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Application

Temperature (air, surface and material):

40°F minimum, 120°F maximum

At least 5°F above the dew point.

Relative Humidity: 85% maximum

Reducer/Clean-Up: Mineral Spirits

Airless Spray:

Pressure..... 1800-2300 psi

Hose..... ½" ID

Tip..... .015" - .019"

Filter..... 60 mesh

Reduction..... Not recommended

Conventional Spray:

Gun..... Binks model 18 (or similar)

Fluid Tip..... 63C or equivalent

Air Nozzle..... 63PB

Atomization pressure... 50 psi

Fluid Pressure..... 15-25 psi

Reduction..... As needed up to 5% by volume

Brush (small areas and touch-up):

Brush..... China Bristle

Reduction..... Not recommended

Physical Test Data

Substrate: Steel

Surface Preparation: SSPC-SP1

Primer: 1 coat Pratt & Lambert Alkyd Shopcoat Primer-OTC

Abrasion Resistance:

Method: ASTM D4060, CS17 Wheel, 1kg load, 1000 cycles

Result: SA4501: 500 mg mass loss at 1000 cycles; SA3102 300 mg loss at 550 cycles

Adhesion:

Method: ASTM D3359

Result: Passes at 4B, <5% loss

Elongation:

Method: ASTM D522 Method B

Result: Passes 1" mandrel

Salt Fog Resistance:

Method: ASTM B117

Result: Passes 100 hours

Moisture Condensation Resistance:

Method: ASTM D4585, 100°F, 500 hours

Result: Passes 500 hours

Clean Up

Clean spills, spatters and tools immediately with mineral spirits. After cleaning, flush spray equipment with mineral spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using mineral spirits.

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of Pratt & Lambert Paints. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult your Pratt & Lambert dealer or representative to obtain the most recent Product Data Sheet.