

TriPrime™

Fast Dry, Corrosion Inhibiting, Recoatable "Work Horse" Primer

Specifications

DESCRIPTION:

TriPrime is a high solids, solvent reducible, very fast drying primer for iron and steel. It is designed for shop and OEM application and for use under all typical finishes, including polyurethanes. **TriPrime** is designed for hand cleaned iron and steel SSPC-SP1, SP2 or SP3, providing active corrosion inhibition and protection against undercutting. It is designed for HVLP and air assisted airless systems but, where legal, it can be applied with conventional or airless systems. Thinning is required for most systems; see instructions under "Recommended Thinning". Recommended topcoats include: alkyd, silicone alkyd and acrylic finishes.

USE:

Typical applications include construction and industrial equipment, structures, boxes and utility parts.

ADVANTAGES:

- Compatible with epoxies and similar topcoats that may lift other primers
- TriPrime (black) may also be used as a finish for wrought iron
- Excellent corrosion inhibition
- No critical recoat window
- Very fast dry

LIMITATIONS:

- Requires clean steel

Properties

VOC: [as packaged] 135 g/l – (1.63 lbs/gal)
FLASH POINT: [setaflash] 79° F
APPEARANCE: [Gloss at 60°]
 Flat 2-7
WEIGHT PER GALLON: [average] 14.3 lbs.
PACKAGE VISCOSITY: 72-78 KU
SOLIDS: [average]
 By Weight 80 ± 1%
 By Volume 69 ± 1%
COVERAGE: [average]
 Theoretical at 1 mil DFT 1108 sq ft/gal
 Theoretical at 1.5 mils DFT 738 sq ft/gal
 Required Minimum DFT 2 mils

DRY SCHEDULE: [at 50% RH and 2 mils DFT]

| | 45° F | 60° F | 75° F | 90° F |
|----------------------|---------|---------|---------|---------|
| Tack Dry | 45 mins | 20 mins | 10 mins | 30 mins |
| Dry to Touch | 2 hrs | 45 mins | 30 mins | 20 mins |
| Dry to Handle | 5 hrs | 3 hrs | 2 hrs | 1.5 hrs |
| Hard Cure | 36 hrs | 30 hrs | 24 hrs | 22 hrs |
| Recoat | 50 mins | 20 mins | 10 mins | 7 mins |

*After one week wash clean of all foreign matter. Light sanding may be necessary if cured coating is subject to exterior exposure for extended periods.

ORDER CODE:

TriPrime products are identified by the product series number, followed by an identifier (P=Primer) and ending in the color number.

TriPrime, Primer, Red Oxide (144-52) .. **902P109**
 TriPrime, Primer, Gray (AF-7) **902P609**
 TriPrime, Primer, Black (B385E) **902P710**

PACKAGING: [average]

Four ea. 1 gallon cans per case 55 lbs
 One ea. 5 gallon metal pail 67 lbs

Shipping & Handling

SHIPPING DESCRIPTION: [CFR 49]

Ground, Air, Vessel Paint, 3, UN1263, PG II
 Required Label FLAMMABLE LIQUID
 Required Marking PAINT UN1263

IMDG PACKAGING:

FLAMMABLE LIQUID, class 3.2, UN1263, II

IMDG STOWAGE: Category B

UNIFORM FIRE CODE: [CFR 29] CLASS I-B

STORAGE TEMPERATURE: 120° F max

SHELF LIFE: [warranted] 1 YEAR

HMIS RATINGS: H - 2; F - 3; R - 0; PP - H



TriPrime™**Fast Dry, Corrosion Inhibiting, Recoatable “Work Horse” Primer****Application Data****SURFACE PREPARATION:**

TriPrime 902P Series primers are designed for use over hand cleaned iron and steel, SSPC-SP1, SP2 or SP3.

- Surface and ambient temperatures must be above 45° F. Recommended maximum surface temperature is 120° F. Temperatures above 95° F may require the use of a “slow” solvent. Contact Triangle for more information.
- Surfaces must be 100% free of all contaminants except small amounts of fully adherent rust. All loose and scaling material, grease, oils, asphalt, silicones, dirt, dust, chemical contaminants and moisture must be removed.
- Existing paint should be removed, SSPC-SP2. Completely sound paint may be left, but service life of new system will become that of the existing paint and that will be less than new products alone.
- Temperatures must be +5° F above dewpoint. Fresh primer must be protected from all moisture until rainproof as per chart above.

REQUIRED THINNING:

Designed for 25 – 30% reduction with 30-003 PCBTF in VOC regulated areas and 34-001 xylene in unregulated areas.

Thinner: 30-003 PCBTF or 34-001 Xylene
Brush or Roller: Thin as required
Airless Spray: Thin as required
Conventional Spray: Thin as required

APPLICATION:

This coating may be applied by conventional or airless spray application methods. Apply using crossing pattern.

TIP SELECTION:**High Volume Low Pressure Air Assisted Airless:**

Use fluid tip size011 - .013
 Paint fluid pressure 600 - 650 psi
 Air pressure to gun 75 - 80 psi
 Aircap pressure 10 psi maximum

Conventional Air Spray:

Use fluid tip size040 - .055
 Paint fluid pressure 10 - 15 psi
 Aircap pressure 65 - 75 psi

High Volume Low Pressure Conventional Air:

Use fluid tip size040 - .055
 Paint fluid pressure 10 - 15 psi
 Air pressure to gun 75 - 80 psi
 Aircap pressure 10 psi maximum

Conventional Airless:

Carbide fluid tip size011-.015 @ 1800 psi.

Electrostatic Equipment:

Consult Triangle representative.

CLEANUP SOLVENT: PCBTF or Xylene

Health & Safety**CAUTION:**

CAUSES IRRITATION. DO NOT INGEST. Avoid contact with eyes and skin. Wash hands thoroughly after using and before eating and smoking. If spillage occurs, absorb and dispose of according to local regulations.

FIRST AID:

Should eye contact occur, flush with plenty of water for at least 15 minutes and get medical attention if vision is disturbed. For skin, wash thoroughly with soap and water. If swallowed, seek medical attention immediately. DO NOT induce vomiting.

**THIS PRODUCT IS FOR
PROFESSIONAL USE ONLY.**

**KEEP THIS PRODUCT OUT OF THE
REACH OF CHILDREN.**

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