



“YOU SUPPLY THE TALENT... WE’LL SUPPLY THE REST!” THE COMPLEAT SCULPTOR

Product Description Sheet - Color Guard® Coating Maintenance, Repair & Operations, April 2006

PRODUCT DESCRIPTION

LOCTITE® Color Guard® Coating is a solvent based, modified thermoplastic liquid coating in various colors. Dries to a durable, flexible true synthetic rubber protective coating.

PRODUCT FEATURES

- Coats metal, most plastics, glass, epoxy glass, concrete, fabric, foam, fiberglass, masonry, rubber, and wood.
- Remains flexible in and resists temperatures from -30°F to +200°F (-34°C to 93°C).
- Won’t crack or chip like paint.
- Stands up to sun, salt spray and extreme weather.
- Excellent chemical resistance.

TYPICAL APPLICATIONS

Dip, spray, or brush on to:

Sample Application

- Lab tongs
- Valve handles
- Rope ends
- Electrical connections
- Pipe hangers
- Battery terminals
- Emergency handles
- Sling hardware
- Tools
- Site rods (mining)
- Sheet metal
- Transom Bars
- Synthetic slings
- Expanded metal

Benefit

- Add gripping power
- Color code
- Prevent fraying
- Insulate
- Cushion against noise
- Protect against corrosion
- Provide high visibility
- Provide bumper protection
- Designate ownership
- Stop glare
- Seal out moisture
- Prevent slippage
- Protect against abrasion
- Improve appearance

DIRECTIONS FOR USE

USE WITH ADEQUATE VENTILATION

Color Guard® Primer (34994) increases bond strength by 500% and is recommended for maximum adhesion especially to smooth metal parts. Primer can be dipped, brushed or sprayed. Stir well before use. Coverage at 1/2 to 1 mil is 150 - 200 sq. ft. per gallon depending on surface being coated.

I. PRIMING

A. Dipping Primer

1. Surfaces to be coated must be clean. Use Loctite® ODC-Free Cleaner & Degreaser to remove dirt, oil, or grease. **DO NOT DIP PARTS IN DIRECT SUNLIGHT OR UNDER WINDY CONDITIONS.** Submerge object and withdraw **SLOWLY** - 1 inch every 5 seconds to prevent sags and drips. Hang object to dry using string or wire.
2. Allow parts to dry 10-15 minutes before dipping into Color Guard® Coating.

B. Brushing Primer

1. Clean parts as above.
2. Thinning the Primer is not necessary, but if desired, mix 3 parts Primer to 1 part Thinner.
3. Using a soft natural brush, dip into material. Using short strokes, cover all exposed material. Avoid overlapping.
4. Allow 10-15 minutes to dry before applying Color Guard® Coating.

C. Spraying Primer

1. Clean parts as above.
2. Primer for Color Guard® can be sprayed with conventional air atomized pressure pot spray equipment or an airless sprayer.
3. If desired, thin 3:1 as for brushing. For a pressure pot spray gun, regulate pot pressure to 20 psi and atomizing pressure at the gun to 60 psi. For an airless spray gun, set pressure for flow rate (GPM) required.
4. Apply one coat of Primer to a dry film thickness of a 1/2 to 1 mil (visible gray coverage).

II. COLOR GUARD APPLICATION

A. Dipping

Dipping will always give you the best results and most uniform coating. The 14.5 fl. oz. can is ideal for dipping small parts - tool handles, rope ends, brackets, knobs, valve handles. Larger packages can be purchased for dipping large or multiple objects.

1. Surfaces to be coated must be cleaned. Use of Loctite® ODC-Free Cleaner & Degreaser is recommended to eliminate grease, oil and dirt. Rust or loose paint can be sanded or wire brushed as needed.
2. Before dipping object, devise a method to hang object to dry - string, wire or a clamp are suggested.
3. **DO NOT APPLY IN DIRECT SUNLIGHT OR UNDER WINDY CONDITIONS. SLOWLY** immerse item and **SLOWLY** withdraw (approximately 1” every 5-7 seconds). Coating will be uneven, sag or drip when object is withdrawn too rapidly.
4. Hang part to dry. Do not hang above an open can of Color Guard. Vapors will inhibit proper drying and dripping may result. Allow 20 minutes between coats. Drying time (at 70°F) is approximately four hours for each coat applied.

B. Spraying - Industrial

1. For large applications, use an industrial airless gun or pressure pot gun. Do not use a Siphon Gun.
2. Always use Primer for Color Guard® when spraying metal surfaces. (See instructions for priming.)
3. Pressure Pot Spray setting: 20 psi Gun Pressure: 40 to 60 psi
4. Hold gun 10" to 12" from surface and apply a uniform wet coat.
5. Several coats may be applied to achieve the desired thickness - two to three coats are recommended for a 12 ml thickness. Allow 20 minutes between coats. Drying time (at 70°F) is approximately four hours for each coat applied.
6. Spray equipment can be cleaned with Thinner for Color Guard or naphtha.

C. Spraying - Aerosol

1. Shake can vigorously for one minute after mixing ball begins to rattle. Shake intermittently while applying.
2. Surface must be clean, dry and free of oils, grease, wax, dust loose rust.
3. Hold can 12 to 16 inches from surface. Press spray button firmly. Move can back and forth releasing button after each stroke. Overlap each stroke by 50%. Best results are obtained with no air movement, low humidity, and no direct sunlight at 70°F.
4. Apply heavy enough coats to produce an even, wet, appearance. Recoat when dry to the touch as often as desired. If product runs or sags, move can further away from surface.
5. To prevent clogging, turn can upside down and firmly press spray button for 3 to 5 seconds. If spray button does clog, remove and soak in mineral spirits for 30 minutes to loosen dried product. Replace on can and continue application.
6. After use, turn can upside down and spray for 3 seconds to clear actuator.

D. Brushing

Brushing should be reserved for applications that can neither be dipped or sprayed. Brushing offers the least desirable results.

1. Dilute Color Guard to desired consistency with Thinner for Color Guard. (1 part Thinner to 2 parts Color Guard is recommended.)
2. For metal surfaces, primer for Color Guard is recommended. Priming increases bond strength by 500% (See instructions for priming.)
3. Brush surface in one direction only. Of the three methods of coating parts, brushing offers the least desirable results. You may find that the surface is properly protected, but the appearance of the coating may be irregular.
4. Several coats are recommended for maximum protection. Allow 20 minutes between coats. Drying time (at 70°F) is approximately four hours for each coat applied.
5. Brush can be cleaned with Thinner for Color Guard or naphtha.

III. Subsequent Applications

Once applied, Color Guard does not have to be removed for additional coats. New coats will fuse to old coats during air drying.

CLEANING

Cured Color Guard® may be wiped clean with Loctite Industrial Cleaning Solvent, Color Guard® Thinner, or naphtha.

PROPERTIES OF UNCURED MATERIAL

	Typical Value
Chemical Type	Naphtha, rubber solvent
Appearance	Heavy liquid
Odor	Moderate
Viscosity	Flow similar to SAE 60 Motor Oil
Specific Gravity	.92 - .94
Flash Point, TCC, °F (°C)	<2 (<-17)

PROPERTIES OF CURED MATERIAL

	Typical Value
Tensile Strength, ASTM D 882, psi	2600
Dielectric Strength, ASTM D 149, v/mil	1200
Hardness, ASTM D 2240, Shore A	65 to 75
Elongation, ASTM D 638, %	400 to 500

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container. For further specific shelf life information, contact your local Technical Service Center.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, the manufacturer specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of the manufacturer's products. The manufacturer specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any the manufacturer patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

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