

SSPC-PAINT 13

ADOPTION NOTICE

SSPC-PAINT 13, "Red Or Brown One-Coat Shop Paint," was adopted on April 11, 1995 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: Naval Construction Battalion Center, 1000 23rd Avenue, Code 156, Port Hueneme, CA 93043-4301. DoD activities may obtain copies of this standard from the Defense Printing Service Detachment Office, Bldg. 4D (Customer Service), 700 Robbins Avenue, Philadelphia, PA 19111-5094. The private sector and other Government agencies may purchase copies from Steel Structures Painting Council, 4516 Henry Street, Suite 301, Pittsburgh, PA 15213-3728.

Custodians:
Navy - YD1

Adopting Activity:
Navy - YD1
(Project 8010-N996)

FSC 8010

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Steel Structures Painting Council

PAINT SPECIFICATION NO. 13

Red or Brown One-Coat Shop Paint*

1. Scope

1.1 This specification covers a low cost, quick drying, iron oxide and tung oil-ester gum varnish shop paint (primer) for steel. In addition, this paint has some raw and bodied linseed oils in the vehicle and some red lead and zinc chromate pigmentation. It has fair rust inhibitive characteristics, fair wetting ability, a drying time of about 8 hours, and sufficient resistance to weathering to protect structural steel surfaces for up to 6 months before enclosure. Shorter exposure periods should be contemplated for heavy industrial, chemical, or marine atmospheres.

1.2 This primer is suitable for exposures in Environmental Zones 1A (interior, normally dry) and is intended for brush or spray application over steel surfaces prepared in accordance with SSPC-SP 2, "Hand Tool Cleaning." It is suitable as a shop primer, and is to be applied in accordance with SSPC-PA 1, "Shop, Field, and Maintenance Painting." It may be topcoated with conventional oil or oleoresinous paints.

1.3 The color may be red or brown.

2. Description

2.1 As a result of its linseed oil content, this paint has adequate wetting characteristics for surfaces that have received only a limited amount of cleaning. Details of the composition are given in Table 1.

2.2 This primer contains approximately 60% by volume of nonvolatile film-forming solids (pigment and binder). The theoretical spreading rate for a 2.0 mil (50 microns) dry film thickness is 480 square feet/U.S. gallon (11.8 square meters/liter). Actual spreading rates can be significantly lower.

3. Reference Standards

3.1 The standards referenced in this specification are listed in Sections 3.4, 3.5, 3.6, and 3.7 and form a part of this specification.

3.2 The latest issue, revision, or amendment of the referenced standards in effect on the date of invitation to bid shall govern unless otherwise specified.

3.3 If there is a conflict between the requirements of any of the cited reference standards and this specification, the requirements of this specification shall prevail.

3.4 STEEL STRUCTURES PAINTING COUNCIL (SSPC) SPECIFICATIONS:

PA 1	Shop, Field, and Maintenance Painting
PA Guide 3	A Guide to Safety in Paint Application
SP 2	Hand Tool Cleaning

3.5 AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARDS:

3.5.1 Specification for Ingredients:

D 12	Raw Tung Oil
D 83*	Red Lead
D 234	Raw Linseed Oil
D 235	Petroleum Spirits (Mineral Spirits)
D 478*	Zinc Yellow (Zinc Chromate)
D 600	Liquid Paint Driers
D 605	Magnesium Silicate Pigment
D 3722	Natural Red and Brown Iron Oxides

3.5.2 Test Methods for Properties:

D 154	Varnishes
D 185	Coarse Particles in Pigments, Pastes and Paints
D 562	Consistency of Paints Using the Stormer Viscometer
D 1208	Common Properties of Certain Pigments
D 1210	Fineness of Dispersion of Pigment-Vehicle Systems
D 1296	Odors of Volatile Solvents and Diluents
D 1475	Density of Paint, Varnish, Lacquer and Related Products
D 1542	Quantitative Test for Rosin in Varnishes
D 2369	Volatile Content of Paints
D 2371	Pigment Content of Solvent-Type Paints
D 2801**	Leveling Characteristics of Paints by Draw-Down Method
D 3278	Flash Point of Liquids by Setaflash Closed Tester

3.6 FEDERAL STANDARDS:

3.6.1 Standard Specifications for Ingredients:

TT-L-215***	Linseed Oil, Raw (for Use in Organic Coatings)
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