



Simco Coatings Inc.

Manufacturer of Military Spec.,
Corps of Engrs. Spec, Industrial, &
Marine Coatings

TECHNICAL DATA SHEET

SSPC PAINT SPECIFICATION NO.22 EPOXY POLYAMIDE INTERMEDIATE COAT

DESCRIPTION: The coating supplied under this specification is a 2 part epoxy polyamide product composed of a base component and curing agent component. When the two components are mixed in proper proportions, the coating is capable of curing at temperatures as low as 50°F (10°C). It can be used as an intermediate coating over primed structural steel, offshore structures, chemical plants, refineries, barges & bridges.

CONFORMANCE: This product conforms to the specific composition and performance requirement of Steel Structures Painting Council (SSPC) Paint Specification No. 22.

TECHNICAL DATA

GENERIC TYPE:	Epoxy polyamide
COLOR:	Red Oxide/Tan/Gray
FLASH POINT:	61° F
SHELF LIFE:	One year
FINISH:	Semi-glossy
MIXING RATIO:	2.25: 1 base to hardener by vol.
POT LIFE @ 77°F:	4 hours
VOLUME SOLIDS:	65.0 ± 1.0%
VOLATILE ORGANIC COMPOUND (VOC):	2.8 lbs. / gal. or 340 g/l
WEIGHT PER GALLON:	12.0 ± 0.2
RECOMMENDED DFT:	3-4 Mils/coat
THEORETICAL COVERAGE:	Est. 950 sq. ft. / gal. @ 1 mil DFT
TEMPERATURE RESISTANCE:	250° F, dry heat
DRYING TIME AT 75°F:	
A. TACK FREE, HRS:	2 hours
B. HARD DRY, HRS:	5 hours
C. TOPCOAT:	8 hours
THINNER:	Epoxy Thinner

SURFACE PREPARATION: All surfaces must be clean, dry and free from all loose rust, scale, paint or oil. For best results, abrasive blast SSPC-SP6 commercial or SSPC-70 near white.

APPLICATION: Airless or conventional spray is recommended. Small areas may be brushed.

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MIXING & THINNING: Each coating component should be stirred to a smooth homogenous mixture. Then the proper amount of base and curing agent components, should be added together and mixed thoroughly. Do not change mixing ratios.

After allowing to stand for 30 minutes at 77 ± 3 °F (25 ± 2 °C), the coating maybe thinned up to 12% by volume of the total coating for spraying. The coating should be applied within 3-4 hours.

Coating Thickness: The coating is usually applied by spray to a dry film thickness of 3 to 4 mils per coat.

Cure Time Between Coats: Under normal conditions, each coat should be air dried a minimum of four hours, but no more than 72 hours between application coats. This coating should not applied below 50°F (10°C)

SAFETY PRECAUTIONS:

- (A) Use normal precautions such as gloves and facemasks.
- (B) Adequate ventilation must be maintained.
- (C) Explosion proof lights and electrical equipment.
- (D) Non-sparking shoes and tools for workers in area.
- (E) This product contains flammable materials. Forbid all flames, smoking and welding in work area.
- (F) Avoid breathing of vapor and contact with skin and eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain immediate medical attention.

NON-WARRANTY: The technical data listed herein has been compiled for your convenience and guidance and is based upon our experience and knowledge. However, since we have no control over this information or this product, no warranty, expressed or implied is intended or give. Simco Coatings, Inc. assumes no responsibility whatsoever for coverage, performance or any other damages, including injuries resulting from the use of this information or of products recommended herein.

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