

STIC-ADHESIVE Products Co., Inc.

3950 Medford Street
Los Angeles, California 90063
(323) 268-2956 • Fax (323)268-6480
www.sticadhesive.com

Technical Data Sheet

TPD-1000A Heat-Resisting, Aluminum Pigmented Paint, Type I

(meets Federal Specification TPD -1000A dated December 14, 1994)

1-29-2010

DESCRIPTION

TPD-1000A is an aluminum pigmented paint that withstands solvents, weathering, and temperatures up to 1000°F. This product requires curing at 400°F for at least 1 hour in order to provide protection. This paint is for use on machinery that reaches temperatures up to 1000°F such as superheated steam lines, boiler casings, boiler drums, super heated heads, mufflers, and engine exhausts.

MILITARY SPECIFICATION

TPD-1000A complies with Federal Specification TPD-1000A, dated December 14, 1994.

APPLICATION PROPERTIES

- | | |
|--|--------------------------------|
| 1) Volatile Organic Compound (VOC)
(EPA Method 24): | Less than 420 g/L (3.5 lb/gal) |
| 2) Color: | Aluminum |
| 3) Finish: | Metallic sheen |
| 4) Weight Solids: | 65.3% ± 2% |
| 5) Volume Solids: | 52.4% ± 2% |

USE PROPERTIES

- | | |
|-------------------------------------|---|
| 1) Shelf Life: | 2 years from date of manufacture (if unopened) |
| 2) Flash Point (SETA): | 101°F (38.3° C) |
| 3) Reducer: | Do not reduce |
| 4) Tinting: | Do not tint |
| 5) Clean Up: | Xylene |
| 6) Brush and Roller Recommendation: | Natural bristle brush
3/8" woven roller cover with solvent resistant core |
| 7) Application Temperature: | 50°-90°F (10°-32.2° C) for surface, paint, and ambient air
NOTE: need to be at least 5°F above dew point |
| 8) Application Humidity: | Maximum of 85% relative humidity |

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- 9) Storage: Store product in accordance with local, state and federal regulations. Keep container tightly sealed and store indoors in dry conditions at 50°-80°F (10°-26.7°C).

RECOMMENDED COATING SYSTEMS

Steel: 2 coats TPD-1000A applied at .8-1.0 mils (20-25 microns) dry thickness.

SURFACE PREPARATION

Surface must be clean, dry and in sound condition, free from loose mill scales, dirt, dust, rust, oil and grease. Remove all loose scales, peeling, flaking paint, rust, corrosion and chalk from the surface before painting.

- 1) Steel, Iron
Minimum surface prep: Solvent Cleaning per SSPC-SP1 (removing oil, grease, dirt, and other foreign material); then Near-White Blast Cleaning per SSPC-SP10/NACE 2 (1.0 mil profile maximum).

Coat bare steel within 8 hours or before flash rusting occurs.

APPLICATION INSTRUCTIONS

- 1) Complete surface preparation as indicated prior to application of product.
- 2) Stir paint lightly prior to use. Do not shake with mechanical shaker or over agitate.
- 3) Apply paint at the recommended film thickness and spreading rate. Applying the paint above maximum or below minimum recommended spreading rate can have negative effects on performance.

RECOMMENDED SPREADING RATE PER COAT

1) Approximate Coverage	<u>ft²/gal</u>	<u>m²/L</u>
Minimum:	800 ± 50 sq.ft.	19.6 ± 1 sq. meter
Maximum:	1035 ± 50 sq.ft.	25.4 ± 1 sq. meter
2) Wet mils	<u>mils</u>	<u>microns</u>
Minimum:	1.6 mil	40
Maximum:	2.0 mil	50
3) Dry mils		
Minimum:	0.8 mil	20
Maximum:	1.0 mil	25

Application by brush or roller may require multiple coats to lay down the proper film thickness and to achieve a uniform appearance.

DRYING TIME

	<u>@77°F (25°C)*</u>
To Touch:	2 hours
To Recoat:	8 hours
To Cure (full hardness):	1 hour @ 400°F

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NOTE: These times are approximations and will change depending on temperature, humidity, and thickness of applied film. * - Tested at 50% relative humidity with 4 mils wet thickness.

ORDERING INFORMATION

Sizes: 1 gallon can, 5 gallon can (3.78L, 18.9L)
SKU: 1000A-GL, 1000A-CN
Website: www.milspeccoating.com

SAFETY

Refer to the Material Safety Data Sheet (MSDS) before using this product, for safe use, handling and storage.

OTHER INFORMATION

HEALTH AND SAFETY INFORMATION:

Refer to Material Safety Data Sheet for health and safety information before using this product. Also, for additional information, please visit the website at www.sticadhesive.com.

LIMITATION OF REMEDIES AND LIABILITY:

If the STIC-ADHESIVE product is proved to be defective, the exclusive remedy, at STIC-ADHESIVE'S option, shall be to refund the purchase price or replace the defective product. STIC-ADHESIVE shall not otherwise be liable for loss or damages, regardless of the legal theory, including but not limited to contract, negligence, warranty, or strict liability.

DISCLAIMER:

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