

Product Description

N-5751-M is a VOC compliant, single-component, organic, zinc rich, polyurethane moisture-cure primer suitable for use where weather limitations limit the use of other zinc-rich coatings. It meets or exceeds *Military Reference # 12469113 & SSPC-20*. **N-5751-M** uses the moisture from the air as the curing component to simplify material handling. **N-5751-M** provides a dense, surface film and flexibility that gives it an excellent corrosion protection material for properly prepared metal work. **N-5751-M** is compatible with most coating systems including Epoxy's, Alkyds, and Urethanes.

Surface Preparation

For best performance and corrosion protection, steel surfaces must be rigorously cleaned or abrasive blasted to a minimum SSPC-SP6/NACE 3 (Commercial Blast). SSPC-SP10/NACE 1 (Near White) surface profile 1.5 - 2.5 mil.

For CARC System, Clean per TTC-490-D, Method I, II, III, IV, V, or VI. Pre-treat TTC-490-D Type I, II, III.

Application

- **Do not open until ready to use!** Any moisture contamination of this product will cause hardening or a gelatinous form.
- Pot life after opening will depend on moisture introduced to the product. As a guideline, newly opened cans mixed or poured into a working pot and resealed may be used for up to one week. If brushing or rolling with open can, pot life will be 4 - 6 hours.
- Apply N-5751-M when air or substrate temperatures are higher than 41° F (5°C) and when humidity is less than 85%. **Note: High Humidity will reduce pot life.**
- Store N-5751-M primer at 68°F (20°C) within 24 hours prior to application.
- Apply by HVLP spray or conventional spray with 0.061 to 0.072 inch tip with tip pressure of up to 60 psi. Use medium bristle brush only on touch up or small areas.
- Apply at a dry film thickness of 2.0 - 2.5 mil per coat (3-4 mil wet).
- Overcoat **only** after primer is dry to touch.
- Reduction of N-5751-M with NCP's DMR series reducer, Acetone, or automotive grade MEK up to 5% by volume. **DO NOT** use solvents containing alcohol, mineral spirits, or lacquer thinner. **DO NOT EXCEED VOC LIMITS!**

Equipment Clean up

Clean tools and equipment used to apply N-5751-M with NCP's DMR series reducer, or automotive grade MEK immediately after use. **DO NOT** use solvents containing alcohol, mineral spirits, or lacquer thinner.

Health & Safety Data

WARNING: Vapor & Spray mists are harmful. Review M.S.D.S. prior to use.

- N-5751-M is intended for professional use only.
- Keep out of reach of children.
- Use in well-ventilated areas and avoid contact with skin or eyes.
- N-5751-M is combustible in wet state. Do not use or store near open flame or very hot surfaces. Do not smoke during application.
- For spray applications, NIOSH approved air fed masks or approved filtered respiratory system must be used.
- Whenever handling or using solvents and coatings, wear protective clothing and gloves.

Storage & Handling

- **Read Material Safety Data Sheet.**
- Store product with labels intact and visible in a clean, dry area protected from direct sunlight and moisture.
- Store product at temperatures between 50° - 86°F (10-30°C).
- Sealed, unopened containers have a shelf life of 12 months. Product may require premixing before use due to settling.

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Technical Data

Color	Gray
Finish	Matte
Zinc Content	84 – 87% In Dry Film
Solids	62% by Volume, 89% By Weight
Flash Point	113° F / 45°C
Specific Gravity	25.4 lb/ gal. (2.93 kg/L)
Reducer	NCP's T-121
Application Method	Keep under agitation while spraying. Conventional or Airless spray. Airless spray tip size 0.015-0.019 inches Conventional or HVLP recommended with CARC system with Tip size 0.061 to 0.072 and fluid pressure between 45 - 60 psi or 25 - 30 psi for HVLP.
Wet Edge	0.5 hours
Dry to Touch	0.5 – 1.0 hours
Tack Free	1.0 – 2.0 hours
Full Cure	8 – 24 hour
Over coating	1.0 – 24 hours Given times are approximate times at 68° F (20° C) and at 50% relative humidity. Overcoat times may vary depending on film thickness, temperature and humidity.
Toxicity	Refer to MSDS
Film Thickness	2.0 to 2.5 mil dry film thickness per coat (3.0 to 3.5 wet).
Coverage	980 ft ² /US gal. at 1mil wet on a smooth surface. The coverage will vary depending on profile, application technique, and porosity of substrate.
Temperature Resistance	302° F / 150° C continuous
Volatile Organic Content	2.8 lb/gal (380g/l)

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Note: The Above information is supplied as a guideline to our customers. The user must be aware of the cleaning, pretreatment, application, and testing requirements for their specific job.

For more information, please contact NCP Coatings Inc. at (616) 683-3377 or visit our website at www.ncpcoatings.com.