



DYC780X

HIGH-SOLIDS 2-PART ALIPHATIC URETHANE COATING

7801, 7802 and 7803 Data Sheet

CHARACTERISTICS

Dyco 7800 High-Solids Aliphatic Urethane Coating is a high gloss, chemical resistant urethane enamel. Extremely abrasion resistant, this product exceeds durability standards of conventional high grade urethane enamels. Provides outstanding color and gloss retention.

RECOMMENDED USES

- Concrete Floors - Industrial or Commercial
- Glaze Coat on Concrete, Wood, Fiberglass and Metal

FEATURES/BENEFITS

- Superior Gloss Retention
- Superior Color Retention
- Superior Performance and Durability

RECOMMENDED PRIMERS

Ferrous Metals..... MP90
 Galvanized Metals..... MP50
 Aluminum Metals MP90
 Concrete Floors..... 7841

SPECIAL NOTES

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CAUTION: Combustible liquid and Vapor.

Care should be taken to clean up all applications equipment immediately after finished to avoid product curing on the application equipment. The pot life of this product is 2 Hours. Product is mixed at a 4:1 Ratio of Part A with Dyco 7800B.

FOR ADDITIONAL INFORMATION

See MSDS or call toll-free 1-800-282-7901.

TECHNICAL DATA

Vehicle Type..... Acrylic Urethane
 Finish/Sheen..... High Gloss
 Solids by Weight..... 71%
 Solids by Volume..... 60%
 Viscosity..... 85 KU
 VOC (less exempt solvents) 410 g/L
 Weight per Gallon..... 10.85 lbs/gal.

COVERAGE

200 S.F/Gal @ 8 mils Wet, 3.2 mils DFT
(Actual coverage may vary depending on type of substrate, and application method.)

AVAILABLE BASES

- 7801A - White/Tint Base
- 7802A - Deep Base
- 7803A - Neutral Base

KEY ATTRIBUTES

Application Temperatures: 55 - 95°F (12.7 - 35°C)
 Application Tools: Brush, Roller or Spray
 Dry Times: Touch - 2 Hours; Recoat - 12 Hours
 (Dry Time Based on 77°F (25°C), 50% RH)
 Thinner: R-24 or Approved Equivalent
 Clean Up: R-24 or Approved Equivalent

PHYSICAL PROPERTIES

Alkali Resistance..... Excellent
 Mildew Resistance .. Excellent
 Flash Point..... 106°F (41.11°C)

CERTIFICATIONS:

GS-11: VOC Compliant in all Regulated Areas





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HIGH-SOLIDS 2-PART ALIPHATIC URETHANE COATING 7801, 7802 and 7803 Precautions & Application Guide

PRECAUTION: Do not freeze. Wear protective clothing, gloves and eye-wear during application and cleanup of this product. Do not transport on passenger seats or inside passenger compartment of any vehicle. Store product in cargo area of vehicle, and secure with protective cloths to prevent accidental spill damage. Do not store at temperature above 100°F (37.77°C). Do not use in drinking water or food systems.

SURFACE PREPARATION: Substrates to be painted with Dyco 7800 series 2-part Aliphatic Urethane must be properly prepared in order to achieve the adhesion and performance that this product is designed to provide.

Previously Painted Surfaces: Surfaces must be clean, dry and free of oil, grease, and all other foreign materials. Existing paint films must be tightly adhered. Scrape and feather sand any loose paint areas and spot check for compatibility with the existing paint. If the existing paint is an epoxy, the surface must be abraded to promote adhesion.
New Concrete: Surface must be allowed to cure for a minimum of 28 days. If the concrete has a shiny glazed finish, the surface must be roughened by physical abrasion or chemical etching. Use Dyco 7841 Epoxy-Tite as a primer under Dyco 7800 Aliphatic Urethane on bare concrete floors to achieve a chemically resistant extremely durable enamel floor coating system.

Ferrous Metals: Rust, oxidation and other surface contaminants must be removed from ferrous metals. Prepare metal using SSPC-SP 2, SSPC-SP3 abrasion procedures to remove rust. Solvent wipe entire surface thoroughly to remove abrasion residue with a denatured alcohol or lacquer thinner. Prime the entire ferrous metal surface with DYCO MP-90 Metal Max Primer.

Galvanized Metals: Oxidation and other surface contaminants must be removed from surface. Prepare metal using SSPC-SP 2, SSPC-SP3 abrasion procedures to remove rust. Solvent wipe entire surface thoroughly to remove abrasion residue with a denatured alcohol or lacquer thinner. Prime the entire galvanized metal surface with DYCO MP-50 Primer.

Aluminum: Surface must be clean, dry and free of oil, grease and all other foreign materials. Slick or polished aluminum should be etched before applying primer or DYCO 7800 Hi-Solids Aliphatic Urethane Coating. Aluminum may be primed with DYCO MP-90 Metal Max Primer or an appropriate Polyamine Epoxy Primer.

MIXING: Mixing ratio is 4 parts A to 1 Part B. This product must be completely homogenized by good hand stirring. Do Not mix mechanically. Pot Life is 2 Hours

TOOLS: This product can be applied by brush, roll or spray. For rolling, use a Phenolic core 1/4"- 3/8" nap, synthetic lint free cover. For brush application use a natural bristle brush. Spray can be by Airless, conventional or HVLP

COVERAGE: The product should be applied @ 8 mils Wet, = 3.2 mils DFT, yielding approximately 200 sq ft per gallon.

THINNING: This product may be thinned as necessary with Dyco R-24 reducer, or an equivalent Urethane thinner.

LIMITATIONS: Do not apply in direct sunlight. High temperatures and humidity will shorten pot life. Lower temperatures will result in longer cure times. Do not apply at temperatures below 50 degrees Fahrenheit.

CAUTION!

CONTAINS PETROLEUM DISTILLATES. HARMFUL IF SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. USE WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

To avoid breathing vapor, spray mist, or sanding dust, open windows and doors or use other means to ensure fresh air during sanding, ap-

plication, and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC 23C or equivalent) or leave area.

3 Health	2 Flammability
1 Reactivity	Personal

DANGER! COMBUSTIBLE LIQUID AND VAPOR! Contains Hi Sol 10, Glycol Ether PM Acetate (CAS #108656). Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache, or nausea. May cause eye, skin, nose and throat irritation. Mixture will contain: aliphatic polyisocyanate and hexamethane diisocyaate. Overexposure may cause lung damage. May cause allergic skin and respiratory reaction. Effects may be permanent. Keep away from heat, sparks and flame. Vapors may cause flash fire. Do not get in eyes or skin. **INDIVIDUALS WITH LUNG OR BREATHING PROBLEMS OR PRIOR REACTION TO ISOCYANATES (FOUND IN CURING AGENT #7800B) MUST NOT BE EXPOSED TO VAPOR OR SPRAY MIST.** Do not breathe vapor or spray mist. Wear a properly fitted vapor / particulate respirator approved by HIOSH/MSHA during and after application with eye protection, gloves and protective clothing during application. A positive-pressure, supplied air respirator (NIOSH/MSHA TC-19C) is recommended. A vapor/particulate respirator (NIOSH/MSHA TC-23C) may be appropriate where airborne monitoring demonstrates vapor levels below ten times the applicable exposure limits. In all cases, follow respirator manufacturer's directions. Do not permit anyone without protection in the painting area.

IN CASE OF FIRE: Use foam CO₂, dry chemical, or water fog.

IN CASE OF SPILL: Absorb with inert material and dispose of in accordance with applicable regulations.

DISPOSAL: Empty container with product residue may still be combustible; follow all hazard statements until it has been disposed of. Contains organic solvents, which may cause adverse effects on the environment if disposed of improperly. Consult your sanitation department for more information on disposal of empty containers. Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. Contact your state-designated environmental agency for information concerning re-use, recycling, or disposal of solvent

FOR PROFESSIONAL USE ONLY - NOT FOR RESIDENTIAL USE

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

CALIF. PROP. 65 • CHEMICAL WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Use proper protection and adequate ventilation, when using product.

FIRST AID: If you experience difficulty in breathing, leave area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, get medical attention immediately.

Material Safety Data Sheet available upon request.



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