

4M N.C. DUCO SUPER WHITE

Product description

4M N.C. DUCO SUPER WHITE is a high-quality, fast-drying nitrocellulose (NC) lacquer based on refined nitrocellulose, high-grade synthetic resins, pigments, and additives. It is specially formulated for automotive refinishing and general industrial applications on metal and wooden surfaces. This product provides a brilliant white, high-gloss finish with excellent adhesion and weathering resistance.

Typical use

- **Automotive Refinishing:** Full-body repaints, spot repairs, and panel painting for passenger cars and commercial vehicles.
- **Industrial Applications:** Coating of metal furniture, machinery, and equipment.
- **Wood Finishing:** Interior wooden surfaces, cabinets, and furniture where a durable, glossy finish

Features

- **Fast Drying:** Allows for quick handling and recoating, ideal for shop efficiency.
- **Superior Gloss:** Develops a deep, high-gloss finish that enhances the final appearance.
- **Excellent Coverage:** Provides a consistent opaque white film with

Colour

White

Physical Properties

| Property | Test/Standard | Description |
|---------------|---------------------|--|
| Flash Point | < 23°C (Closed Cup) | Highly Flammable |
| Viscosity | Calculated | 2:30 - 3:00 Min Cup#8 Ford |
| Density | Calculated | 0.98 - 1.02 |
| Solid content | Calculated | 38.00 - 42.00 |
| Gloss | Glossmeter (60°) | Min 90 on angle 60 (150 micron film) |
| Coverage | Calculated | 10 - 12 m ² /Litre per coat |
| Drying Time | Calculated | 2 - 3 Hr on application |

The provided data is typical for factory-produced products, subject to slight variation depending on batch. All data is valid for the mixed product (ready to use).

Film thickness per coat

| Dry film thickness | Wet film thickness | Theoretical spreading rate |
|--------------------|--------------------|----------------------------|
| 30 - 40 µm | 60 – 80 µm | - |

Surface preparation

- **For Metal Surfaces:**

1. **Cleaning:** Surface must be clean, dry, and free from oil, grease, rust, and other contaminants. Use a wax and grease remover.
2. **Sanding:** Abrade the surface using 400-600 grit sandpaper (wet or dry) to ensure mechanical adhesion.
3. **Primer:** For bare metal, apply a suitable anti-corrosive primer, such as **4M NC Primer Surfacer** or **4M Epoxy Primer**, to ensure adhesion and corrosion resistance. Sand the primed surface smooth.

- **For Wood Surfaces:**

1. **Cleaning:** Ensure the surface is dust-free and dry.
2. **Sanding:** Sand smooth with fine-grit sandpaper.
3. **Sealing:** Apply a suitable wood sealer or sanding sealer to prevent the topcoat from being absorbed unevenly.

Application

- **tirring:** Stir **4M N.C. DUCO SUPER WHITE** thoroughly before use to ensure all pigments are fully dispersed.
- **Mixing:** Mix the paint with **4M NC Thinner** in the specified ratio (1:1 to 1:1.5) to achieve the correct application viscosity.
- **Straining:** Filter the mixed material through a 180-200 micron mesh filter before pouring into the spray gun to remove any impurities.
- **Application:** Apply 2-3 even, medium-wet coats. Allow a flash-off time of 5-10 minutes between coats to prevent solvent entrapment and blushing.
- **Finishing:** Allow the final coat to dry hard. Polishing can be done after 24 hours for an enhanced gloss.

Thinner & Cleaning Solvent

- Recommended Thinner: 4M NC Thinner . For slower drying in high-temperature conditions, use 4M NC Retarder Thinner.
- Cleaning Solvent: Use 4M NC Thinner or standard Lacquer Thinner to clean spray guns and equipment immediately after use.

Storage & Shelf Life

- **Shelf Life: 24 months** from the date of manufacture in original, unopened containers.
- **Storage Conditions:** Store in a cool, dry, and well-ventilated area. Keep away from heat, sparks, and open flames. Keep containers tightly sealed.
- **Temperature:** Store between 5°C and 35°C. Protect from direct sunlight and frost.

Health and Safety

- **Flammability: EXTREMELY FLAMMABLE.** Flash point < 23°C. Vapors may ignite explosively. Keep away from heat, sparks, flames, and other sources of ignition. No smoking.
- **Ventilation:** Ensure adequate ventilation during application and drying to prevent the accumulation of flammable vapors.
- **Protection:** Wear appropriate personal protective equipment (gloves, goggles, and respirator) during use.
- **Static Grounding:** Containers must be grounded when pouring or mixing to prevent static spark discharge.
- **Disposal:** Dispose of in accordance with local, state, and federal regulations. Do not empty into drains or water courses.

Disclaimer

The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. Products are often used under conditions beyond our control. We cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs.