TECHNICAL DATASHEET

NITROCELLULOSE PAINT

Polytol Nitrocellulose Paint, also known as **NC paint**, is a type of fast-drying solvent-based paint, popular in the automotive, furniture, and musical instrument industries. It is available in white, black, bright, basic and pastel shades.

PRODUCT BENEFITS

- **Fast Drying Time**: Touch-dry within minutes, enabling quicker handling and reduced production time.
- **High Gloss & Aesthetic Appeal**: Produces a smooth, glossy, and mirror-like finish with excellent colour depth and clarity.
- **Ease of Application**: Simple to apply by spray or brush; ideal for both industrial and workshop environments.
- **Excellent Sanding and Polishing Characteristics**: Can be easily sanded and buffed to achieve a high-gloss, showroom-quality finish.
- **Good Recoatability**: Each coat blends with the previous layer, making recoating and repairs fast and seamless.
- **Cost-Effective Solution**: Lower material and application costs compared to more complex two-pack systems.
- **Versatile Use**: Suitable for a wide range of substrates including wood, metal, and plastic.
- **Quick Turnaround Time**: Ideal for projects requiring rapid finishing and drying, such as mass-produced furniture or restoration work.
- **Easy Maintenance and Touch-Ups**: Scratches or surface damage can be easily repaired by reapplying or buffing.
- **Classic Vintage Appeal**: Often preferred for musical instruments and antique furniture for its traditional look and feel.

AREAS OF APPLICATION

- **Furniture and Woodworking**: Tables, chairs, cabinets, doors, and decorative wood panels. Preferred for interior wooden surfaces due to its smooth finish and fast drying.
- **Automotive Industry**: Classic car refinishing and touch-ups. Ideal for vintage and restoration projects requiring a traditional high-gloss look.
- **Musical Instruments**: Guitars, violins, and pianos. Offers a thin, resonant coating that enhances acoustic performance.
- **Metal Fabrication**: Light metal parts, fixtures, and accessories. Used where fast drying and aesthetic finish are more important than extreme durability.
- **Wood**: Provides excellent adhesion, clarity, and polishability. Common in joinery, cabinetry, and decorative wood products.
- **Metal**: Used on metal furniture, appliances, and decorative items after applying a suitable primer.
- **Plastic**: Select plastic materials (e.g., ABS) after surface treatment or priming.
- **MDF and Plywood**: Popular in interior architecture and modular furniture due to its easy

workability.

- **Interior Decoration**: Trim work, mouldings, and artistic finishes.
- **Toys and Crafts**: Wooden toys and handicrafts, where a clean, glossy finish is needed.
- **Signage and Display**: Painted signs, product displays, and promotional materials.

PRODUCT FEATURES

Surface	Interior
Available Pack	1L, 5L and 20L
Shelf life	1 year from date of manufacture in original tightly closed containers.
Available Color	White, black, bright, basic and pastel shades
Coverage	10-12 m^2/L
Finish	Gloss/Satin/Matte
Dust dry	10 minutes @ 25 – 35 °C
Touch dry	30 minutes @ 25 – 35 °C

SURFACE PREPARATION

1. **Cleaning the Surface**

- Remove all dust, dirt, grease, oil, wax, or any contaminants.
- Use a suitable solvent (e.g., mineral spirits or paint thinner) to wipe down the surface.
- Ensure the surface is completely dry before proceeding.

2. **Sanding**

- Sand the surface to create a smooth, slightly rough texture for better paint adhesion.
- Use fine-to-medium grit sandpaper (usually **320–400 grit** for wood; **220–320 grit** for metal).
- Remove any old loose or peeling paint thoroughly.
- After sanding, clean off dust with a tack cloth or vacuum.

3. **Priming (If Necessary)**

- **For bare wood:** Apply an appropriate NC or compatible primer/sealer to prevent blotching and improve adhesion.
- **For metal:** Use a rust-inhibiting metal primer to prevent corrosion and ensure good bonding.
- Allow the primer to dry as per manufacturer's instructions and sand lightly with fine grit for a smooth base.

4. **Surface Inspection**

- Check for surface defects (cracks, holes, dents).
- Fill imperfections with a suitable filler or putty, then sand smooth once dry.

5. **Final Cleaning**

- Before painting, wipe the surface again to remove any remaining dust.
- Use a tack cloth or lint-free cloth slightly dampened with solvent.

APPLICATION PROCESS

Method	:	Brush, and Spray
Thinning	:	NC thinner
Dilution	:	(1:1) = Brush (1:2) = Spray (NC Paint : NC Thinner)

POST PAINTING CARE

- After the paint has fully cured (usually after 1–2 weeks), you can **buff or polish** the surface using a fine polishing compound.
- Regular gentle polishing helps maintain the high-gloss finish.
- Avoid aggressive polishing which can wear through thin NC layers.

PRECAUTIONS

- Do not apply when ambient temperature is less than 5°C or if the temperature might drop to this level within 4 hrs. of application.
- Do not apply it during rain or when rain is expected.
- Stir well before use.

SAFETY AND ENVIRONMENT FEATURES

- Store the container with the tightly closed lid in an upright position, in a cool dry place.
- Keep out of reach of children and away from eating tables.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- Do not breathe vapor or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Do not pour leftover paint down the drain or in water courses.
- In an event of spill, contain spillage using sand or earth.
- No added Lead, Mercury or Chromium compounds.

Left-Over paint disposal:

- Left-over paint/drums should not be disposed in soil/drains. Consumers should consult a local recycling agency for disposal of paint/drums.
- The pails/drums should not be used for storing food items.

DISCLAIMER
These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

Polytol Paints

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