Polycolor
Changez de vie...

TECHNICAL DATASHEET

NITRO CELLULOSE VARNISH

Polycolor Nitrocellulose Varnish is a high-quality, fast-drying clear coating formulated from nitrocellulose resin, plasticizers, and premium-grade solvents. It is designed to provide a smooth, glossy, and durable finish on a wide variety of surfaces including wood, metal, and previously painted substrates. Ideal for both decorative and protective applications, it offers excellent adhesion, quick drying, and ease of application

PRODUCT BENEFITS

- **Fast Drying Time:** Dries quickly at room temperature, allowing for rapid handling, recoating, and production turnaround.
- **High Gloss and Aesthetic Appeal:** Provides a crystal-clear, mirror-like gloss finish that enhances the natural beauty of wood and other substrates.
- **Smooth Flow and Easy Application:** Excellent flow and leveling properties ensure a smooth, uniform surface with minimal brush or spray marks.
- **Good Sandability:** Easy to sand between coats, making it ideal for multi-layered finishing systems.
- **Excellent Recoating Ability:** NC varnish allows for easy recoating without lifting or wrinkling, even after drying.
- **Versatile Usage:** Suitable for wood, metal, and previously painted surfaces—ideal for furniture, musical instruments, crafts, and automotive touch-ups.
- **Cost-Effective:** Offers a high-quality finish at a competitive price, with good coverage and low material wastage.
- **Customizable Finish:** Available in gloss, semi-gloss, or matte finishes to suit various aesthetic and functional requirements.
- **Flexible Yet Hard:** Balances surface hardness with enough flexibility to resist cracking or chipping due to minor impacts or substrate movement.
- **Compatible with NC-Based Systems:** Works well with NC sealers, fillers, and topcoats for complete finishing systems.

AREAS OF APPLICATION

- **Wood Finishing:** Furniture (tables, chairs, cabinets, beds). Doors and window frames. Decorative wooden panels and moldings. Musical instruments (e.g., guitars, violins). Wooden craft items
- **Automotive and Transport:** Vehicle interior parts (dashboard trims, panels). Touch-up applications on classic car finishes. Two-wheelers (especially metal parts with minimal exposure)
- **Metal Surfaces:** Light metal parts (after proper priming). Interior decorative metallic items. Electrical panels and instrument casings
- **Interior Decorative Items:** Picture frames, display shelves, and wall art. Moldings and trims
- **Industrial & Commercial:** Mild steel office furniture (with primer). Store fixtures and displays. Shop fittings

PRODUCT FEATURES

Surface	Interior
Available Pack	1L, 5L and 20L
Shelf life	1 year from date of manufacture in original tightly closed containers.
Coverage	10 m^2/L
Finish	Gloss/Satin/Matte
Dust dry	15 minutes @ 25 – 35 °C
Touch dry	1 hour @ 25 – 35 °C
Hard dry	4 hours @ 25 – 35 °C

SURFACE PREPARATION

1. **Surface Cleaning**

- Remove dust, oil, grease, wax, and other contaminants using a suitable surface cleaner or degreaser.
- Use a lint-free cloth or tack rag to wipe the surface.
- For wood, avoid using water-based cleaners that may raise the grain.

2. **Sanding the Surface**

- For Wood Surfaces:
- Sand with P180–P320 grit sandpaper (start coarse and finish finer).
- Always sand along the grain to avoid scratches.
- Remove sanding dust thoroughly using air or a tack cloth.

3. **For Metal Surfaces:**

- Sand or scuff using emery paper or Scotch-Brite pads.
- Apply a compatible metal primer (like NC metal primer) before varnish.

4. **Filling Imperfections (Optional)**

- For wood, fill cracks, pores, and imperfections using a wood filler or NC putty.
- Sand smooth after drying, and clean off any residue.

5. **Sealing (Recommended for Wood)**

- Apply an NC sanding sealer or wood sealer to:
- Block absorbency
- Enhance varnish adhesion
- Provide a smoother base
- Allow to dry, then sand lightly with P320–P400 grit before applying NC varnish.

6. **Dust Removal**

- After sanding, remove all dust using:
- Compressed air
- Tack cloths
- Clean, dry brushes

APPLICATION PROCESS

Method	:	Spray
Thinning	:	NC Thinner
Dilution	:	1:1

POST PAINTING CARE

- For the best performance of the paint, at regular intervals of six months a proper washing and cleaning of all algae and fungal growth must be carried out, if any.

PRECAUTIONS

- Keep the filled area away from **water, humidity, and handling** for **24–48 hours** post-application.
- Do **not wash, polish, or expose** the surface to chemicals during this period.
- Store and dry the painted item in a **dust-free, ventilated area**.
- Ideal temperature: **20–30°C**
- Avoid direct sunlight or extreme temperatures during drying and curing.

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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