Polytol™

TECHNICAL DATASHEET

NC PRIMER FILLER

Polytol NC Primer Filler (Nitrocellulose Primer Filler) is a fast-drying, one-component primer specialized for automotive refinishing and industrial applications. It is primarily used to level surface imperfections and provide a smooth, even base for topcoats. NC Primer Filler has excellent sanding properties and quick drying time, making it ideal for spot repairs and production-line applications.

PRODUCT BENEFITS

- **Fast Drying Time-** Reduces waiting time between coats and before sanding. Ideal for quick repair work and high-throughput environments.
- **Excellent Sandability-** Sands smoothly without clogging abrasive papers. Saves time and effort in surface preparation.
- **Good Filling Properties-** Effectively fills minor dents, scratches, and surface irregularities. Creates a uniform surface for topcoat application.
- **Smooth Surface Finish-** Provides a consistent matte finish that promotes strong adhesion for subsequent coatings. Enhances the final appearance of topcoats.
- **Easy Application-** Applies easily using standard spray equipment. Suitable for professionals and skilled DIY users.
- **Versatile Compatibility-** Can be used over properly prepared metal, old paintwork, or putty surfaces. Compatible with NC topcoats and other common automotive refinish systems.
- **Cost-Effective-** Offers great performance at a competitive price point. Suitable for use in body shops, furniture manufacturing, and industrial applications.

AREAS OF APPLICATION

- **Body repairs**: Filling minor dents, scratches, and imperfections before top coating.
- **Repaint jobs**: Creating a smooth base for refinishing older or damaged paintwork.
- **Spot repairs**: Quick and efficient for small-area refinishing.
- **Wood furniture**: Sealing and smoothing surfaces before applying NC or PU topcoats.
- **MDF and plywood panels**: Filling surface pores and imperfections.
- **Machinery and equipment**: Surface preparation of metal parts before painting.
- **Metal furniture**: Filling and priming mild steel or aluminium surfaces.
- **Art installations or props**: Providing a paint-ready surface on mixed materials.
- **Interior decoration**: Used where a fast-drying filler-primer is needed for aesthetics.
- **Other Sectors:** Two-wheeler refinishing, appliance casing touch-ups, signage and displays.

PRODUCT FEATURES

Surface	Interior
Available Pack	1L, 2L and 5L
Shelf life	1 year from date of manufacture in original tightly closed containers.
Finish	Matte
Dust dry	Approximately 5 minutes @ 25 – 35 °C
Touch dry	Approximately 10 minutes @ 25 – 35 °C
Sandable	Approximately 30 minutes @ 25 – 35 °C

SURFACE PREPARATION

1. **Surface Cleaning**
   - **Remove contaminants** like oil, grease, dirt, wax, and rust.
   - Use **wax and grease remover** (e.g., silicone remover or degreaser).
   - Wipe the surface with a **lint-free cloth** soaked in solvent; follow with a dry cloth.
2. **Surface Sanding**
   - Depending on the substrate (metal, wood, or old paint), sanding helps to create a mechanical bond:
   - **If applying on bare metal:** Sand with **P80–P120** grit to remove rust and oxidation. For aluminium or galvanized steel, consider using an **etch primer** first.
   - **If applying on putty or filler:** Sand with **P180–P220** grit to level the surface and feather edges.
   - **If applying on old paint or primer:** Use **P320–P400** grit dry or wet sand to dull the surface.
     Avoid sanding through to bare metal unless necessary.
3. **Dust and Residue Removal**
   - After sanding, **blow off dust** with compressed air.
   - Use a **tack cloth** to remove fine dust particles.
4. **Final Cleaning**
   - Re-clean the surface with **antistatic cleaner** or **degreaser**.
   - Let the surface dry completely before primer application.
5. **Optional: Apply Etch or Epoxy Primer (if needed)**

- If you're working on **bare metal**, apply a thin layer of **etch primer** or **epoxy primer** before the NC Primer Filler.
- This improves adhesion and corrosion resistance.

APPLICATION PROCESS

Method	:	Spray
Thinning	:	White spirit
Dilution	:	2:1 to 1:1 (NC Primer Filler: White spirit)

POST PAINTING CARE

- Apply **NC topcoat**, **PU topcoat**, or other compatible systems **within 24 hours** of sanding.
- If delayed beyond 24 hours, **lightly sand again** before recoating.

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.
- Applying topcoat on under-cured or improperly sanded primer.
- Skipping final cleaning (leads to fisheyes, poor adhesion).
- Leaving sanded primer exposed to humidity or oil.

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

Manufactured and Distributed by
Polytol Paints & Adhesives Mfg Co. Ltd
Baie du Tombeau Rd, Riche Terre
Tel 249 1299 / 249 1499 / Fax 248 3988