

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [TAMIYA](#) /
- › [Tamiya TS-40 Metallic Black Spray Lacquer User Manual](#)

### TAMIYA TS-40 (Model 85040-A00)

# Tamiya TS-40 Metallic Black Spray Lacquer User Manual

Model: TS-40 (85040-A00) | Brand: TAMIYA

## PRODUCT OVERVIEW

The Tamiya TS-40 Metallic Black Spray Lacquer is a high-quality synthetic lacquer paint designed for model building and hobby applications. This 100ml spray can provides excellent coverage and a durable finish, ideal for painting large surfaces such as 1/24 scale car bodies.

Tamiya spray paints are formulated to be compatible with acrylic and enamel paints, allowing for detailed work and layering after the base coat has cured. This versatility simplifies the decoration process for plastic models.



Image 1: Tamiya TS-40 Metallic Black Spray Lacquer can.

### Key Features:

- TS-40 Metallic Black finish.
- Contains 100ml of synthetic lacquer paint.
- Cures in a short period of time.
- Ideal for preparing ABS and Styrene plastic for paint.
- Can also be used on metal parts.
- Compatible with acrylic and enamel paints for detailing.

### SAFETY PRECAUTIONS

**WARNING: Highly Flammable, Pressurized Container. Read all warnings on the can before use.**

- **Eye Protection:** Always wear safety glasses or goggles to protect eyes from paint mist and fumes.
- **Lung Protection:** Use in a well-ventilated area. Wear a respirator or mask designed for paint fumes to prevent inhalation.
- **Skin Protection:** Wear gloves and long sleeves to prevent skin contact. Wash hands thoroughly after handling.
- **Flammability:** Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- **Pressurized Container:** Do not pierce or burn, even after use. Do not expose to temperatures exceeding 50°C (122°F).
- **Children:** Keep out of the reach of children.
- **Disposal:** Dispose of contents/container in accordance with local regulations.

## SETUP AND PREPARATION

Proper preparation is crucial for achieving the best results with Tamiya spray lacquer. Ensure your workspace and the item to be painted are ready before beginning.

### 1. Workspace Preparation:

- Select a well-ventilated area, preferably outdoors or in a spray booth with adequate air circulation.
- Protect surrounding areas from overspray using drop cloths or newspaper.
- Ensure the temperature is between 20-25°C (68-77°F) and humidity is low for optimal drying.

### 2. Surface Preparation:

- Clean the surface of the model or object thoroughly to remove any dust, grease, or fingerprints. Use a mild detergent and water, then rinse and allow to dry completely.
- For plastic models, ensure the plastic is free of mold release agents. Lightly sand smooth surfaces with fine-grit sandpaper (e.g., 800-1000 grit) to provide adhesion, then clean again.
- If necessary, apply a primer suitable for the material (plastic or metal) to enhance adhesion and provide a uniform base color.

## OPERATING INSTRUCTIONS: APPLICATION

Follow these steps for effective application of Tamiya TS-40 Metallic Black Spray Lacquer.

### 1. Shaking the Can:

- Shake the spray can vigorously for at least one minute after hearing the mixing ball rattle. Continue shaking periodically during application to ensure consistent paint mixture and metallic flake distribution.

### 2. Test Spray:

- Before applying to your model, perform a test spray on a piece of scrap material (e.g., cardboard or spare plastic) to check the spray pattern and color consistency.



Image 2: Proper grip and distance for spraying.

### 3. Application Technique:

- Hold the can approximately 20-30 cm (8-12 inches) from the surface of the object.
- Apply paint in thin, even coats using a smooth, sweeping motion. Start spraying off the object and move across, releasing the nozzle at the end of the pass.
- Avoid applying thick coats, as this can lead to runs, drips, or an uneven finish. Multiple thin coats are always better than one thick coat.
- Allow each coat to dry to the touch (typically 10-15 minutes) before applying the next. For best results, allow 30 minutes to an hour between coats.
- For a deeper, richer metallic effect, apply 2-3 light coats.

#### 4. Curing Time:

- The paint will be dry to the touch in a short period. However, allow at least 24 hours for the paint to fully cure before handling extensively or applying additional paint types (e.g., acrylics or enamels for detailing). Full hardness may take several days.

## MAINTENANCE AND STORAGE

Proper care and storage will extend the life of your Tamiya spray paint and ensure consistent performance.

### 1. After Use:

- To prevent the nozzle from clogging, invert the can and spray for a few seconds until only clear propellant comes out. This clears paint from the nozzle.
- Wipe the nozzle clean with a cloth if any paint remains.

### 2. Storage:

- Store the can in a cool, dry place, away from direct sunlight and sources of heat or ignition.
- Ensure the cap is securely placed on the can to prevent accidental discharge or drying of the nozzle.
- Do not store in temperatures exceeding 50°C (122°F).

## TROUBLESHOOTING COMMON ISSUES

Here are some solutions to common problems encountered during spray painting.

Problem	Possible Cause	Solution
<b>Uneven Spray / Splattering</b>	Insufficient shaking; nozzle clogged; can too cold; holding can too far.	Shake vigorously; clear or replace nozzle; warm can gently in warm water (do not heat directly); hold closer (20-30cm).
<b>Runs or Drips</b>	Applying paint too thickly; holding can too close; moving too slowly.	Apply thinner coats; increase distance; move can at a consistent, faster pace.
<b>Poor Adhesion / Peeling</b>	Surface not clean; surface too smooth; incompatible primer.	Clean and degrease surface thoroughly; lightly sand smooth surfaces; use appropriate primer.
<b>Dull Finish / Lack of Metallic Effect</b>	Insufficient shaking; too few coats; improper drying conditions.	Shake well before and during use; apply 2-3 light coats; ensure proper ventilation and temperature during drying.

Problem	Possible Cause	Solution
---------	----------------	----------

## PRODUCT SPECIFICATIONS

Detailed technical specifications for the Tamiya TS-40 Metallic Black Spray Lacquer.

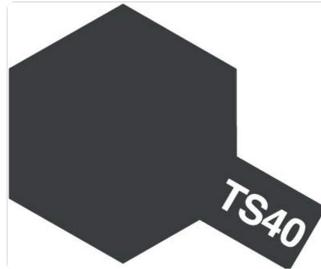


Image 3: Representative color swatch for TS-40 Metallic Black.

Attribute	Detail
Brand	TAMIYA
Model Name	TS-40 (TAM85040 / 85040-A00)
Color	Metallic Black
Finish Type	Metallic
Item Volume	100 Milliliters (3.38 Fl Oz)
Paint Type	Synthetic Lacquer (Compatible with Acrylic, Enamel)
Surface Recommendation	Metal, Plastic (ABS, Styrene)
Dry Time (to touch)	Short period (approx. 10-15 minutes)
Full Cure Time	Approx. 3 hours (for light handling), several days for full hardness.
Product Dimensions	2.05 x 2.05 x 4.21 inches
Item Weight	3.52 ounces
UPC	885366155423

## WARRANTY AND SUPPORT

Tamiya products are known for their quality and reliability. For specific warranty information regarding your Tamiya TS-40 Metallic Black Spray Lacquer, please refer to the packaging or contact Tamiya customer support directly.

**Customer Support:**

If you have questions about product usage, safety, or require technical assistance, please visit the official Tamiya website or contact their customer service department. Contact details are typically available on the product packaging or their official website.

*Note: As this is a consumable product, warranty terms typically cover manufacturing defects rather than issues arising from improper use or storage.*