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> [TAMIYA](#) /

> [Tamiya XF-22 RLM Grey Acrylic Paint Instruction Manual](#)

TAMIYA XF-22

Tamiya XF-22 RLM Grey Acrylic Paint Instruction Manual

Model: XF-22 | Brand: TAMIYA

1. PRODUCT OVERVIEW

Tamiya acrylic paints, including the XF-22 RLM Grey, are formulated from water-soluble acrylic resins. This paint is suitable for both brush painting and airbrushing applications. It adheres well to various surfaces such as styrol resins, Styrofoam, wood, and common model plastics. The paint provides good coverage, flows smoothly, and can be easily blended with other Tamiya acrylic colors.



Image 1.1: A bottle of Tamiya XF-22 RLM Grey Acrylic Paint. The bottle features a grey screw-top lid and a label displaying "TAMIYA COLOR ACRYLIC PAINT" with the color code "XF-22 RLM GREY".

2. SAFETY INFORMATION

Always observe the following safety precautions when using Tamiya acrylic paints:

- Use in a well-ventilated area to avoid inhaling paint fumes.
- Avoid prolonged skin contact. Wash hands thoroughly after use.
- In case of eye contact, flush immediately with plenty of water and seek medical attention if irritation persists.

- Keep out of reach of children and pets.
- Do not ingest. If swallowed, do not induce vomiting; seek immediate medical attention.
- Store paint in a cool, dry place away from direct sunlight and heat sources.

3. PRODUCT COMPONENTS

The Tamiya XF-22 RLM Grey Acrylic Paint package contains:

- One (1) bottle of Tamiya XF-22 RLM Grey Acrylic Paint (23 Milliliters).

4. SETUP AND PREPARATION

4.1. Preparing the Paint

1. **Shake Well:** Before each use, thoroughly shake the paint bottle to ensure the pigment is evenly mixed. A mixing ball inside the bottle can assist with this.
2. **Thinning (Optional):**
 - **For Brush Painting:** Tamiya acrylic paints can often be used directly from the bottle for brush painting. If a thinner consistency is desired, add a small amount of Tamiya X-20A Acrylic Thinner or water.
 - **For Airbrushing:** It is essential to thin the paint for airbrushing. A common ratio is 1 part paint to 1-2 parts Tamiya X-20A Acrylic Thinner. Adjust the ratio based on your airbrush nozzle size and desired paint flow.

4.2. Preparing the Surface

- Ensure the model surface (plastics, wood, etc.) is clean, dry, and free of dust, grease, or mold release agents.
- For best adhesion and finish, a primer coat is recommended, especially on bare plastic or resin.

5. OPERATING INSTRUCTIONS (APPLICATION)

5.1. Brush Painting

1. Dip your brush into the paint, ensuring not to overload it.
2. Apply paint in thin, even coats. Multiple thin coats are preferable to one thick coat, as this reduces brush marks and improves drying time.
3. Allow each coat to dry to the touch before applying the next.

5.2. Airbrushing

1. Ensure the paint is properly thinned for airbrushing (refer to Section 4.1).
2. Set your airbrush pressure according to your equipment and paint consistency, typically between 15-25 PSI.
3. Apply paint in light, even passes, maintaining a consistent distance from the model surface.
4. Avoid applying too much paint in one area to prevent pooling or runs.
5. Allow flash drying between coats before applying subsequent layers.

5.3. Drying Time

Drying times can vary based on coat thickness, humidity, and temperature. Generally, Tamiya acrylics are touch-dry within 10-20 minutes and fully cured within 24 hours.

6. MAINTENANCE

6.1. Cleaning Tools

Since Tamiya acrylic paints are water-soluble, brushes and airbrushes can be cleaned with water immediately after use. For dried paint or more thorough cleaning, Tamiya X-20A Acrylic Thinner or a dedicated acrylic cleaner is recommended.

6.2. Storage

- Ensure the bottle cap is tightly sealed after each use to prevent the paint from drying out.
- Store the paint bottle upright in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Issue	Possible Cause	Solution
Poor Coverage / Translucent Finish	Paint too thin; insufficient coats; surface not primed.	Apply more thin coats; ensure proper thinning ratio; use a primer.
Brush Marks Visible	Paint too thick; brush too dry; incorrect brush technique.	Thin paint slightly; ensure brush is adequately loaded; use smooth, even strokes.
Airbrush Clogging	Paint not thinned enough; dried paint in nozzle; insufficient cleaning.	Thin paint properly; clean airbrush thoroughly after each use; use an airbrush cleaner.
Uneven Finish / "Orange Peel"	Paint applied too thick; airbrush distance too far; paint drying too quickly.	Apply thinner coats; adjust airbrush distance; consider a retarder for very dry conditions.

8. SPECIFICATIONS

- **Brand:** TAMIYA
- **Model Name:** XF-22
- **Color:** RLM Grey
- **Part Number:** 81322
- **Paint Type:** Acrylic
- **Item Form:** Liquid
- **Item Volume:** 23 Milliliters
- **Finish Type:** Gloss (Note: RLM Grey is typically a matte or semi-gloss, but product specifications list 'Gloss' for this item.)
- **Specific Uses:** Model Surfaces
- **Surface Recommendation:** Plastics, Wood

- **Special Feature:** Washable (before drying)
- **Water Resistance Level:** Water Resistant (after drying)
- **Product Dimensions:** 1.75 x 2 x 1.75 inches
- **Item Weight:** 3.2 ounces
- **UPC:** 000049376425

9. WARRANTY AND SUPPORT

Specific warranty information for Tamiya XF-22 RLM Grey Acrylic Paint is not provided in the product details. For product support or inquiries, please refer to the official Tamiya website or contact your local Tamiya distributor.

Tamiya Official Website: www.tamiya.com