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› Vallejo Model Air 71091 Signal Blue (17ml) Instruction Manual

Vallejo 71091

Vallejo Model Air 71091 Signal Blue (17ml) Instruction Manual

Your guide to using Vallejo Model Air acrylic paint.

1. INTRODUCTION

This manual provides detailed instructions for the proper use, application, and maintenance of Vallejo Model Air 71091 Signal Blue acrylic paint. Designed for airbrushing, this paint offers excellent coverage and adhesion on various surfaces commonly used in model building.



Image 1: A 17ml dropper bottle of Vallejo Model Air 71091 Signal Blue paint. The bottle features a black dropper cap and a gold label with "MODEL Air AV vallejo" and color codes FS35044-RAL5004-ANA605-BS106.

2. PRODUCT OVERVIEW

Vallejo Model Air is a range of water-based acrylic paints specifically formulated for airbrush application. These paints are non-toxic, non-flammable, and offer a matte finish. The 71091 Signal Blue is a specific shade designed for accurate color representation in scale modeling.

- **Paint Type:** Acrylic, Water-based
- **Finish:** Matte
- **Volume:** 17 Milliliters
- **Application:** Primarily airbrush, suitable for brush application.

3. SETUP

3.1 Preparation of Paint

1. **Shake Well:** Before each use, shake the paint bottle vigorously for at least 30 seconds to ensure

pigments are thoroughly mixed. A mixing ball inside the bottle assists this process.

2. **Thinning:** Model Air paints are pre-thinned for airbrush use. For most applications, no additional thinning is required. If thinning is desired for specific effects or very fine lines, use Vallejo Airbrush Thinner (71.261) sparingly. Do not use water as a thinner for airbrushing, as it can break down the paint's binder.

3.2 Airbrush Setup

- **Air Pressure:** Recommended air pressure for Model Air paints is typically between 15-20 PSI (1.0-1.4 bar). Adjust as needed based on your airbrush model and desired spray pattern.
- **Nozzle Size:** Model Air performs well with nozzle sizes from 0.2mm upwards.
- **Ventilation:** Always work in a well-ventilated area or use a spray booth with proper filtration.

4. OPERATING (APPLICATION)

4.1 Airbrush Application

1. **Surface Preparation:** Ensure the model surface is clean, dry, and free of dust, grease, or mold release agents. A primer is recommended for optimal adhesion and color vibrancy.
2. **Loading Paint:** Use the dropper bottle to directly load the desired amount of paint into your airbrush cup.
3. **Spraying Technique:** Apply paint in thin, even coats. Allow each coat to dry to the touch before applying the next. Multiple thin coats will provide a smoother finish and better coverage than one thick coat.
4. **Drying Time:** Model Air paints dry quickly to the touch, typically within minutes. Full cure time may take several hours.

4.2 Brush Application

While primarily designed for airbrush, Model Air paints can also be applied with a brush for small details or touch-ups. For brush application, a small amount of Vallejo Flow Improver (71.262) can be added to improve brushability and reduce brush marks.

5. MAINTENANCE

5.1 Airbrush Cleaning

Clean your airbrush immediately after each painting session to prevent paint from drying and clogging. Use Vallejo Airbrush Cleaner (71.099) or a suitable acrylic cleaner. Flush the airbrush thoroughly until no paint residue is visible.

5.2 Paint Storage

Store paint bottles upright in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the dropper cap is tightly sealed to prevent paint from drying out.

6. TROUBLESHOOTING

- **Airbrush Clogging:**
 - Ensure paint is thoroughly shaken.
 - Check air pressure; increase slightly if too low.
 - Clean airbrush nozzle and needle thoroughly.
 - Consider adding a drop of Vallejo Flow Improver.

- **Poor Coverage/Transparency:**

- Apply more thin coats instead of one thick coat.
- Ensure proper surface priming.
- Check paint consistency; it might be over-thinned.

- **"Spidering" or Uneven Spray:**

- Reduce air pressure.
- Move the airbrush closer to the surface.
- Ensure paint is not too thick.

7. SPECIFICATIONS

Feature	Detail
Part Number	val-71091
Item Volume	17 Milliliters
Paint Type	Acrylic, Water-based
Finish Type	Matte
Coverage	Full

8. SAFETY INFORMATION

Vallejo Model Air paints are non-toxic and non-flammable. However, it is always recommended to:

- Work in a well-ventilated area.
- Avoid prolonged skin contact. Wash hands thoroughly after use.
- Avoid ingestion. Keep out of reach of children and pets.
- Wear appropriate personal protective equipment (e.g., gloves, mask) when airbrushing.

9. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding Vallejo products, please refer to the official Vallejo website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Vallejo Official Website: www.vallejo.com