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Italeri 510001319

Italeri 1:72 Rafale M External Operations 2011 Model Kit Instruction Manual

Model: 510001319

Brand: Italeri



Image: The product box art for the Italeri 1:72 Rafale M External Operations 2011 model kit, showing a grey Rafale M aircraft in flight against a blue sky.

1. Introduction

This manual provides detailed instructions for the assembly, painting, and care of your Italeri 1:72 Rafale M External Operations 2011 plastic model kit. Please read all instructions carefully before beginning assembly to ensure a successful and enjoyable building experience.

2. Safety Information

WARNING: SMALL PARTS. Not suitable for children under 14 years of age.
Adult supervision is recommended. Keep all parts, tools, paints, and adhesives out of reach of small children and pets. Always work in a well-ventilated area when using paints, glues, or solvents. Avoid inhaling fumes. Wear appropriate personal protective equipment, such as gloves and eye protection, when necessary.

3. Package Contents

Before starting assembly, please verify that all components are present and undamaged. The kit should contain:

- Plastic sprues containing all model parts
- One decal sheet
- Instruction booklet (this document)



Image: A grey plastic sprue with various molded parts for the Rafale M aircraft model, including fuselage sections, wings, and smaller components, laid out on a black background.

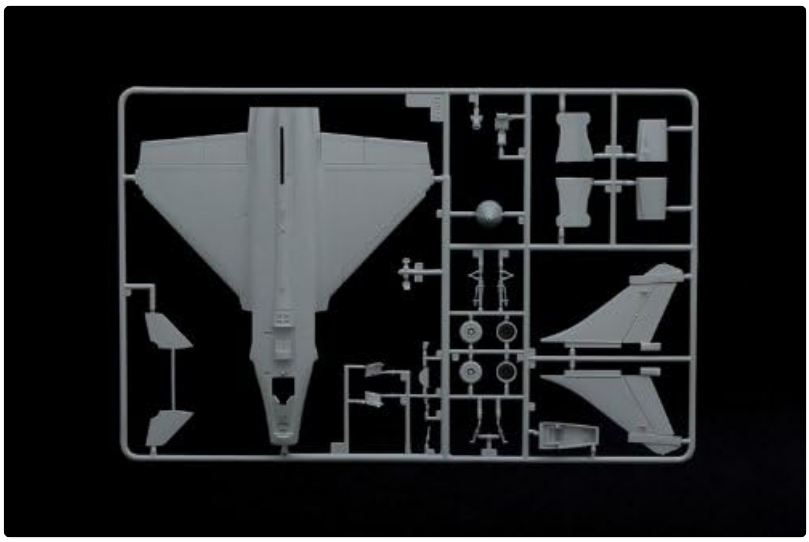


Image: Another view of grey plastic sprues containing additional molded parts for the Rafale M model kit, including smaller details and structural elements.

4. Required Tools and Materials (Setup)

The following tools and materials are recommended for optimal assembly and finishing of your model:

- Plastic cement (e.g., liquid cement for plastic models)
- Hobby knife or sprue cutters
- Fine-grit sandpaper or sanding sticks
- Tweezers
- Paint brushes or airbrush
- Model paints (acrylic or enamel, as per color guide)
- Decal setting solution and softener
- Cutting mat (optional, for protecting work surface)

1:72 RAFALE M Externe Operationen 2011 Art.-Nr. 510001319

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Empfohlenes Werkzeug / Recommended Tools

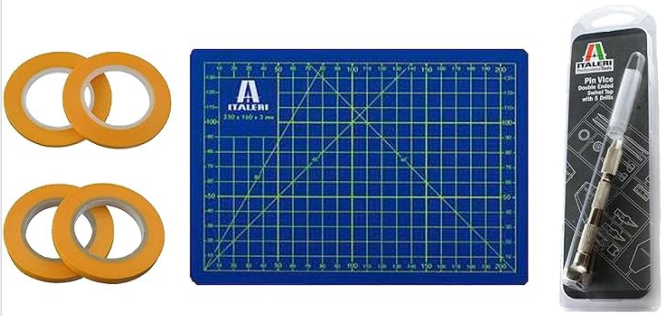
Werkzeuge / Tools:



Art. Nr.	Bezeichnung
510003990	ITALERI Plastikklebstoff m. Pinsel 15ml
510005049	ITALERI Acryl-Verdünner 60 ml
510050814	ITALERI Präzisions Pinzette, gerade (1)
510050815	ITALERI Werkzeug-Set Plastik-Modellbau
510050822	ITALERI Profi-Bastelmesser mit Klingen (6)
510050825	ITALERI Ersatzklingen spitz (5) #50822
510050826	ITALERI Maskierfilm-Rolle 3mm x 18m (2)
510050827	ITALERI Maskierfilm-Rolle 6mm x 18m (2)
510050829	ITALERI Schneidunterlage Mat A 230x160mm
510050831	ITALERI Handbohrer mit 5 Bohrer

Klebstoffe / Cement:





Seite 2

Image: A display of various recommended model building tools, including sprue cutters, tweezers, hobby knives, a cutting mat, and plastic cement, alongside their packaging.

5. Assembly Instructions (Operating)

General Assembly Tips

- Carefully remove parts from the sprues using a hobby knife or sprue cutters. Avoid pulling or twisting parts, which can cause breakage.
- Clean any flash (excess plastic) or mold lines from parts using sandpaper or a hobby knife.
- Dry-fit parts before applying cement to ensure proper alignment and fit. Make any necessary adjustments before gluing.
- Use plastic cement sparingly. Apply a small amount to one surface and press the parts together firmly. Allow sufficient time for the cement to cure completely.
- For models built with landing gear down, it is recommended to add a small weight (e.g., fishing weights or lead shot) to the nose cone during assembly to prevent tail-sitting.

Step-by-Step Assembly

Follow the numbered steps in the included diagrammatic instruction sheet for precise part placement. The general sequence is as follows:

1. **Cockpit Assembly:** Assemble the cockpit components, including the seat, instrument panel, and control stick. Paint and apply any relevant decals before closing the fuselage.
2. **Fuselage Assembly:** Join the fuselage halves. Ensure a tight fit and proper alignment. Secure with plastic

cement and allow to dry thoroughly.

3. **Wing and Tail Sections:** Attach the main wings, horizontal stabilizers, and vertical fin to the fuselage. Pay close attention to the dihedral and alignment.
4. **Landing Gear and External Stores:** Assemble and attach the landing gear struts, wheels, and gear doors. Add weapon pylons, external fuel tanks, and any other ordnance as desired.
5. **Canopy:** Carefully attach the clear canopy part. If painting the canopy frame, mask the clear areas before painting.



Image: Two side profiles of the Rafale M aircraft, illustrating different paint schemes and decal placements for 'Aéronavale, 12F, Libya Operation 2011, Charles de Gaulle Aircraft Carrier' and 'Aéronavale, 12F Landivisiau'. These profiles serve as a guide for the finished model's appearance.

6. Painting and Decal Application

Painting Guide

Refer to the included color guide for recommended paint colors and schemes. It provides specific Italeri paint codes and descriptions for accurate representation of the Rafale M External Operations 2011.

1:72 RAFALE M Externe Operationen 2011

Art.-Nr. 510001319

Benötigte Farben / Paints required

510004605 / 4605AP 510004643 / 4643AP 510004669 / 4669AP 510004678 / 4678AP

510004679 / 4679AP 510004681 / 4681AP 510004696 / 4696AP 510004728 / 4728AP

510004762 / 4762AP 510004768 / 4768AP

Art. Nr.	Bezeichnung
510004605	IT Acrylfarbe Rot glänzend 20 ml
510004643	IT Acrylfarbe Haselnussbraun, matt 20ml
510004669	IT Acrylfarbe Grün glänzend 20ml
510004678	IT Acrylfarbe Silber glänzend 20ml
510004679	IT Acrylfarbe Stahl matt 20ml
510004681	IT Acrylfarbe Metallgrau matt 20ml
510004696	IT Acrylfarbe Weiss glänzend 20ml
510004728	IT Acrylfarbe US Braunoliv matt 20ml
510004762	IT Acrylfarbe Hell Ghost Grau matt 20ml
510004768	IT Acrylfarbe Schwarz matt 20ml
Weitere Farben:	(F.S. = Federal Standard)
510004951	IT Dunkelbraun (Acryl Model Wash)
510004952	IT Schwarz (Acryl Model Wash)
510004953	IT Oiled Earth (Acryl Model Wash)
510004954	IT Rost (Acryl Model Wash)
510004955	IT Grau (Acryl Model Wash)
510004956	IT Dunkelgrün (Acryl Model Wash)

Optionale Alterungsfarben / Washings:

510004951/ 4951AP 510004952/ 4952AP 510004953/ 4953AP

510004954/ 4954AP 510004955/ 4955AP 510004956/ 4956AP



Image: A section of the instruction sheet detailing required paint colors with their corresponding Italeri art numbers and descriptions, along with optional weathering washes, for the Rafale M model.

Decal Application

Apply decals after painting is complete and the paint has fully cured. A glossy surface is recommended for best decal adhesion and to prevent 'silvering'.

1. Carefully cut out each decal from the sheet using a hobby knife or scissors. Trim close to the edge of the design.
2. Dip the decal in warm water for 10-20 seconds until it slides freely from the backing paper.
3. Using tweezers, gently slide the decal onto the desired position on the model.
4. Gently blot any excess water with a soft, lint-free cloth or cotton swab.
5. Apply decal setting solution to help the decal conform to surface details and eliminate any trapped air bubbles. Allow to dry completely.

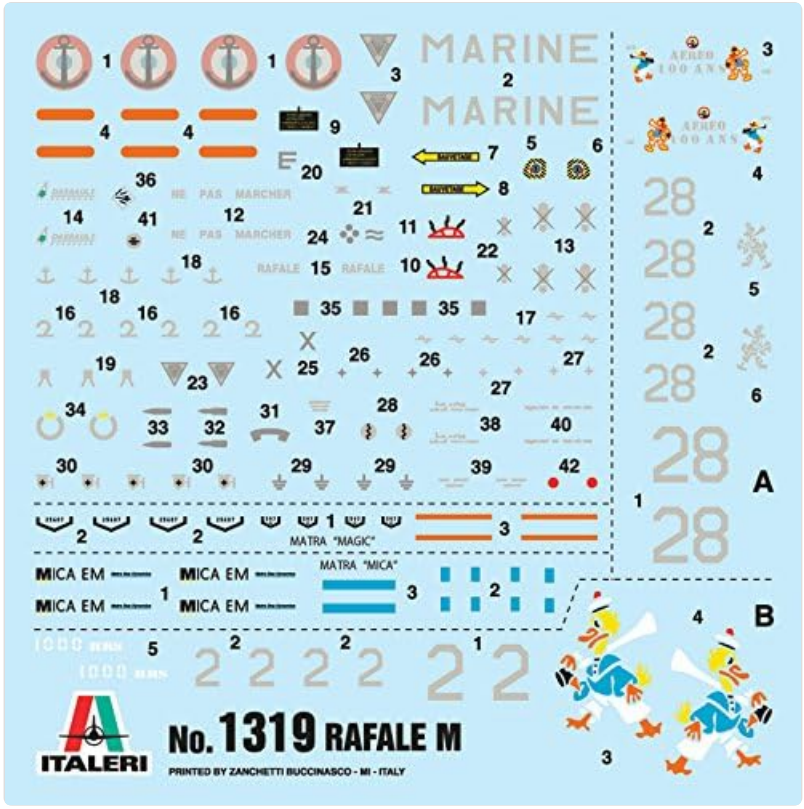


Image: A sheet of water-slide decals for the Rafale M model, featuring various markings, insignias, stencils, and unique cartoon duck emblems for different operational liveries.

7. Maintenance

To preserve the appearance of your completed model, keep it in a clean, dust-free environment. Use a soft brush or compressed air to gently remove any accumulated dust. Avoid exposing the model to direct sunlight or extreme temperature fluctuations, as these can cause paint fading, decal yellowing, or plastic warping over time.

8. Troubleshooting

Common Issues and Solutions

- **Parts not fitting correctly:** Always dry-fit parts before applying cement. If a part is too tight, gently sand the mating surfaces. If too loose, a small amount of plastic filler or putty may be used to fill gaps after assembly.
- **Decals silvering (white film under decal):** Ensure the surface where the decal is applied is glossy. Use decal setting solution to help the decal conform to the surface and eliminate air bubbles. A clear gloss coat over the finished decals can also help.
- **Warped plastic parts:** Gently heat the warped part with warm water or a hairdryer (on a low setting) and carefully bend it back into the correct shape. Hold it in position until it cools.
- **Model tipping backward (tail-sitting):** This indicates insufficient weight in the nose. If the model is already assembled, you may need to carefully open a section or add weight externally if possible. For future builds, add weight to the nose cone during assembly.

9. Specifications

Feature	Detail

Feature	Detail
Brand	Italeri
Model Name	Rafale M External Operations 2011
Model Number	510001319
Scale	1:72
Length (approx.)	212 mm (8.35 inches)
Material	Plastic
Recommended Age	14 years and up
Included Components	Model Kit (plastic parts, decals)

Product Dimensions (Packaging): 21.2 x 0.1 x 0.1 inches
Item Weight (Packaging): 0.17 Kilograms (6 ounces)

10. Warranty and Support

For questions regarding missing parts, manufacturing defects, or assembly assistance, please contact Italeri customer support directly. Specific warranty details may vary by region and retailer. Please retain your proof of purchase for any warranty claims or support inquiries.

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Question

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Details

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