

A.MIG-5210 The Weathering Aircraft Vol.10 - Armament (wersja angielska)



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Seria poradników modelarskich. Wszystko o malowaniu uzbrojenia lotniczego.

66 stron, tekst angielski, pełny kolor

Producer: **AMMO of Mig Jimenez** (Hiszpania)

Polecamy!



Bliss-Leavitt Mark 13

Aerial torpedoes are the main offensive weapon of this type of aircraft. In this article, we will review several effects of aging and dirt that we can apply to aerial torpedoes, regardless of the model. When they are located inside the plane, they are usually splashed by water during landing and take-off maneuvers. Of course, we can choose the intensity with each effect applied to achieve different states of wear and age. We will use as an example a Bliss-Leavitt Mark 13 test torpedo.



GWH 1/48



Diego Quijano

EFFECTS OF AGING ON TORPEDOES

The torpedoes usually come installed in two parts, which we must join and sand perfectly to eliminate the marks, using putty if necessary. Paint lines that have disappeared during handling can be restored using a fine sand.



- The fresh on-roll torpedoes can get quite scratched and chipped due to storage, transfer, as well as assembly and disassembly operations. To apply realistic chips, we first painted the base Dupont aluminum color A.MIG-6312 once the foundation of glossy black primer has dried.
- Once the main base colour has dried, apply a couple of layers of Clearing Fluid.
- As soon as the fluid has dried, the base colour of the torpedo is reintroduced over the surface. In this case, the colour is a very dark blue a mix of Medium Blue A.MIG-133 with a little Turb Black A.MIG-631.
- When the paint is dry to the touch, we can start to peel and scratch the surface. Start the surface with water using a large brush or softbrush. By rubbing the torpedo base colour with a small brush and scratching gently with a pin or nail, we can make chips and scratches of different sizes.
- We extend the chipping technique from seal in the area where the torpedo has been stored in contact with the ground and splashing water.
- If the torpedo consists of sections of different colours, each surface is painted and chipped separately as each one wears in unique ways.





THE WEATHERING Aircraft

Hydra 70 mm

Italeri 1/35

Michal Dostal

The design of the Hydra 70 dates back to the 1940s, and is based on the old-fashioned M4 / M40 rocket. Later modifications would be introduced that perfected the weapon such as thrust nozzles and fins which provided multi-stage stability and improved accuracy. Hydra 70 variants can carry a range of explosives including white phosphorus, submunitions, HEAT (High Explosive Anti-Tank), Flechette rounds, and smoke rounds for marking targets. This diversity offers a wide range of mission capabilities including anti-aircraft, anti-armor, and suppression missions. Used in combat since the Korean War, they are currently in use onboard the OH-58K (K) Kiowa Warrior and AH-64 Apache Longbow helicopters, as well as the AH-1 Cobra of the US Marine Corps. In addition, this versatile weapon can also be launched from fixed wing aircraft such as the F/A-18 or AH-60 Helix, among others.

- In this article, we will use the toilet brushes supplied with the model kit. They are assembled without difficulty, all we have to do is distribute the parts.
- The "Black & White" technique was used to shade and highlight. I began by attaching a layer of very dark black grey to the underside.
- On the vertical side of the projectile, I used a medium grey.
- And finally I applied a layer of light grey to the upper surface. Using this method, I have created realistic contrast with a smooth transition between light and shadow.
- Over the previously applied Black & White base, I introduced the base colour olive green. My brush tip focused and work with very little paint to avoid obscuring the previous step when preparing the effect.
- The ends are easily defined with a mixture of white & brown and black.
- The center section was masked in order to paint the area with black & white Acrylon (AK-130).
- To highlight the details, Rich Black Night (AK-161) was used.
- After allowing the wash to dry for 15 minutes, any excess wash is only removed with a cotton swab.
- Now we can switch our focus to the rear and subtle accumulations of dirt. A small amount of Cobaltum colour (AK-212) was applied to the center section.
- Using a slightly larger brush dampened with olive-brown, the effect is blended and it has created a smooth shading effect.
- A subtle amount of enamel tones of olive-brown and weathering was applied, this time using the Dark Brown (Glossier) colour (AK-212).

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1 Can you see the toy photo with foil? I had some burnishing fluid that can be used when painting toy parts.

2 The effect is very convincing, this being after only a few minutes immersion in the fluid.



2 An important part of the model is the dolly in the cockpit, it must have undercarriage, it wasn't made...!

3 Here is one of the wooden supports which was painted in a buff color.

4 For the wood effect we felt that using dolly would be too fiddly and oil paints too messy therefore we used a plastic with wood grain from BB Productions.

5 This is the result in watercolor using a marker line, it looks finer with the naked eye!

6 For a weathered effect we added on a coat of Clear Orange from Tamiya.



7 The sponge method was once again utilized for the chipping on the frame.

8 A graphite pencil adds that authentic metal effect.

9 Here are all the parts painted and weathered ready for assembly.

10 And here is the little dolly, ready for its flying hours!



11 As of the final result, once all the elements are fixed.



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THE WEATHERING Aircraft

1 The next step will be to represent signs on the wood at the leading edge of the wing. We apply the colour FS 35119 (an AMMO-212) with a sponge, taking care to create realistic and natural wood effects.

2 As we can see, the effect has to be very subtle, avoiding excessive contrast and wear that is out of scale and inappropriate for the subject.

2 Next we apply subtle traces of dirt in some areas using the Ochrzeń Dark Brown & MG-0512 and Black & MG-0501.

3 With a flat brush, we extend and drag the product in the direction of the air flow, leaving only soft traces of streaking in those photos you can see the different effects achieved using this method.

4 The water used and previously applied effects are once again sealed with varnish, this time using Ultra Matt (only for matt & MG-0505). I prefer a dual flat application and the Ultra Matt is ideal for applying this type of laminate finish.

5 Once the varnish is completely dry, further variation to the base colours was added using two green tones. The Ultra-Matt surface will enable the pigments to stick to the surface.

6 The pigments can be blended into the surface with a soft makeup applicator which allows us to create a more subdued effect. With these effects, the wings exhibit chromatic variety without clashing with the rest of the 17 surface.

7 Subtle traces of dirt appearance for this type of subject can be applied using water colour pencils.

8 A makeup applicator moistened with water is used to blend and diffuse the effects applied using the water colour pencils, leaving a naturally soft and subtle effect.

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Air-air weaponry on the

Sukhoi SU-33

Even though the Sukhoi Su-33 is a fighter capable of carrying a great war load, when I searched reference photos, most of them were related to air-to-air armament. The missiles that come with the Kinetic model are pretty good, but the list does not include enough of them, so I turned to the Eduard accessories. The Coax brand offers a set in resin, I opted for the R-27ET missiles, R-27EX, and R-73. These references include different types for pylons used not only by aircraft of the Su-27 family, but also by the MiG-29 and others. The missiles can also be made with the corresponding signal REMOVE BEFORE FLIGHT tags, although I did not opt to use them.

KINETIC 1/48



Otto Drobek



1 The examples of the Su-33 will be armed with these references from Eduard's armament set. All resin components should be washed to remove mould release agents before we begin any assembly or painting.

2 To detail the union of the resin pieces with each other and the plastic wing, we use both sand it back from metal rod.

3 Assembly begins with mounting the fins on the R-27EX and R-27ER missile.



4 The surface of all parts is varnished with an application of Mr Surface 1000.

5 The pylons that hold each weapon are painted per the manufacturer's instructions.



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THE WEATHERING Aircraft

EUROFIGHTER EF-2000 *Typhoon*

Revell 1/48

In addition to having a Mauser BK27 automatic cannon, the Eurofighter has more than a dozen anchor points under its fuselage and wings that allow it to transport a wide variety of air-to-air and air-to-surface weapons. It also has the capability to carry a maximum of three external fuel tanks and pods, and the AN/AAQ-28 (D) UTENING advanced target acquisition system.

Among the air-to-air weapons options for the Eurofighter is the AM-38 Sidewinder, the ASRAAM, the Meteor, or the IRIS-T. While the range of air-to-surface weapons is even wider: AGM-84 Harpoon anti-ship, AGM-88 HARM anti-radiation, AGM-65 Maverick close air support, cruise missiles such as Storm Shadow and Storm, various types of bombs Guided or free fall ... A wide range of possibilities that make the Eurofighter an exceptional armed platform and fascinating subject to represent in scale.



Hong Weon Jung



ASRAAM



1. All areas to be weathered are marked with a blue line.
2. The weathering is done with the appropriate weathering paint and sealed with clear varnish.
3. The blue stripes are washed off with the appropriate washing liquid and sealed with clear varnish.



4. The next step will be to apply the color aluminum to simulate the blue color gray and provide a more suitable base for the white paint.
5. Once the previous steps have dried, the weapons white base colour can be applied.
6. After removing the mask, we will use a layer of gloss varnish to provide a smooth surface for the details and the primer.



7. Using the Flat Blue Black A.M.G. 1017 we outline the letters of the model head and fins.
- Once dry, remove the excess product, place the decal and paint the guidance system's head in Gun Metal.



GBU 24



1. As was done with the previous parts, start by painting the colour of the identifying bands.
2. This time we must mark the entire guidance system head in addition to the blue parts. The entire piece is primed in black as a foundation for the G.D. base colour. Once the black base is dry, the Olive Drab base is applied in this same layer.

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