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## Alberts 479404

# Alberts Flat Bar Plastic 479404 User Manual

Model: 479404

## 1. PRODUCT OVERVIEW

The Alberts Flat Bar Plastic 479404 is a high-quality, versatile flat bar made from PVC-U material, featuring a white surface. Designed for various applications, it offers durability and ease of handling for both professional and DIY projects. Its precise dimensions make it suitable for a wide range of uses, from structural support to decorative finishes.



Image 1.1: Front view of the Alberts Flat Bar Plastic 479404, showcasing its white surface and flat profile.

## 2. SPECIFICATIONS

Attribute	Detail
Material	PVC-U
Surface	White
Length	1000 mm (39.37 inches)
Width	25 mm (0.98 inches)
Thickness	2 mm (0.08 inches)
Item Form	Flat bar
Item Weight	0.09 Kilograms (2.99 ounces)
Manufacturer	Gust. Alberts GmbH & Co.KG
Model Number	479404

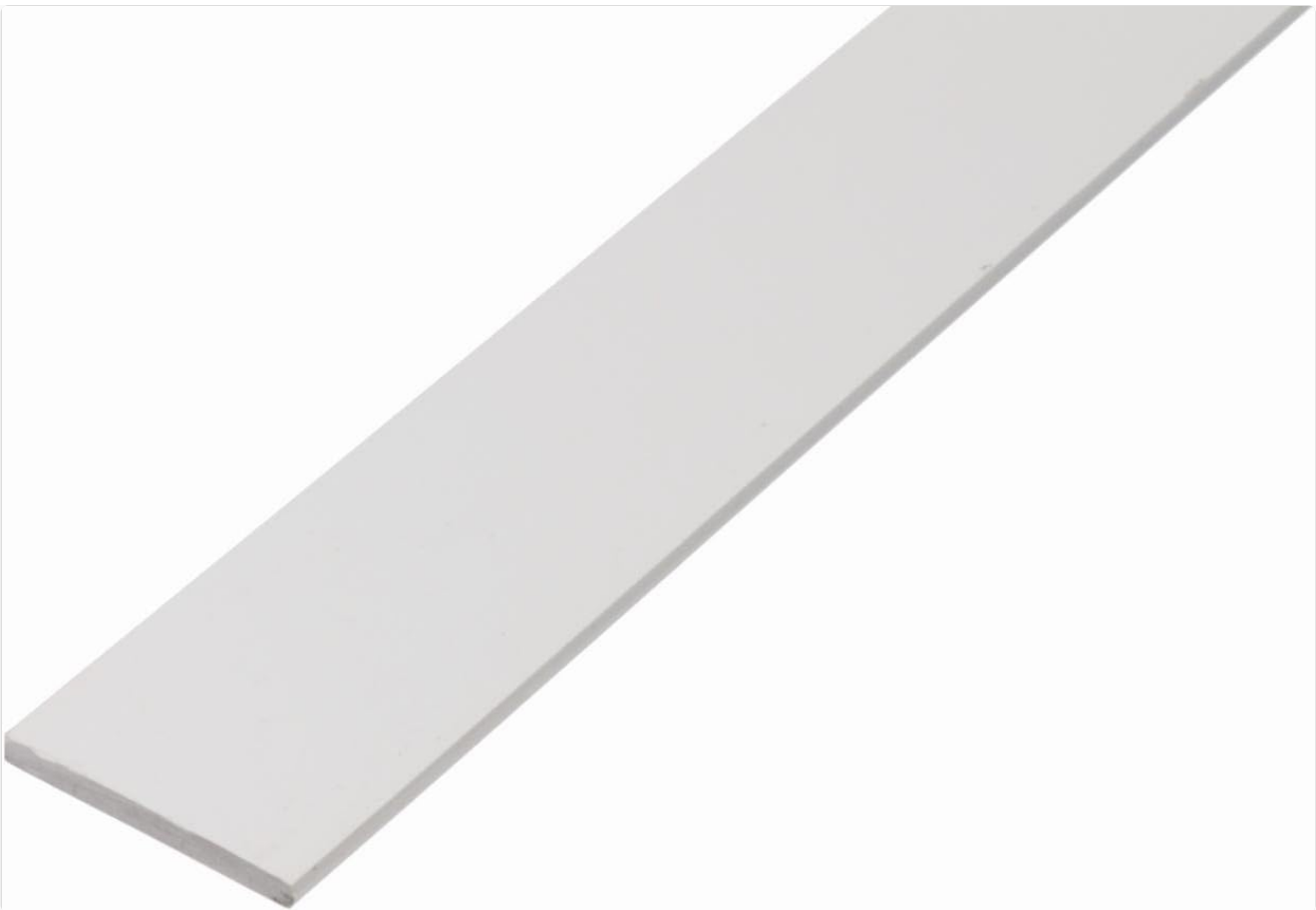


Image 2.1: Side view of the flat bar, illustrating its uniform thickness.

## 3. INSTALLATION AND SETUP

The Alberts Flat Bar is designed for straightforward integration into various projects. Proper preparation and handling will ensure optimal results.

### 3.1. Preparation

- **Surface Cleaning:** Ensure the surface where the flat bar will be applied is clean, dry, and free of dust, grease, or debris.
- **Measurement:** Accurately measure the required length of the flat bar for your application.

### 3.2. Cutting and Shaping

- **Cutting:** The PVC-U material can be easily cut using standard tools such as a fine-tooth saw, utility knife, or even strong shears for precise cuts. Always use appropriate safety gear, including eye protection.
- **Shaping:** For minor bends or shaping, gentle heat can be applied, but exercise caution to avoid overheating or deforming the material. Test on a scrap piece first.

### 3.3. Fastening

- **Adhesive:** For permanent bonding, use a suitable adhesive designed for plastics or PVC-U. Apply according to the adhesive manufacturer's instructions.
- **Screws/Nails:** The flat bar can be fastened using small screws or nails, especially when attaching to wood or other soft materials. Pre-drilling pilot holes is recommended to prevent cracking, particularly near edges.
- **Clamping:** For certain applications, the flat bar can be held in place with clamps or clips.

## 4. OPERATING AND USAGE

The Alberts Flat Bar is a versatile component suitable for a wide array of applications due to its material properties and precise dimensions.

## 4.1. Common Applications

- **Model Building:** Ideal for creating structural elements, frames, or decorative details in scale models and dioramas.
- **Crafts and DIY Projects:** Can be used for various craft projects, picture framing, or creating custom dividers in drawers or storage units.
- **Protective Edging:** Suitable for protecting edges of furniture, shelves, or other surfaces from wear and tear.
- **Gap Filling/Sealing:** Can be cut to size to fill small gaps or provide a neat finish around installations.
- **Light Structural Support:** For non-load-bearing applications where a rigid, flat element is required.

Always ensure the flat bar is used within its material limitations and is not subjected to excessive heat or chemical exposure that could degrade PVC-U.

## 5. CARE AND MAINTENANCE

Maintaining the Alberts Flat Bar is simple and requires minimal effort to ensure its longevity and appearance.

- **Cleaning:** For general cleaning, wipe the surface with a soft cloth dampened with water. For more stubborn dirt, a mild soap solution can be used. Avoid abrasive cleaners or solvents that could damage the PVC-U material.
- **Storage:** Store the flat bar in a cool, dry place away from direct sunlight and extreme temperatures to prevent warping or discoloration. Lay flat or store vertically to maintain its shape.
- **Inspection:** Periodically inspect the flat bar for any signs of damage, cracking, or degradation, especially if used in outdoor or high-stress environments.

## 6. SAFETY INFORMATION

While the Alberts Flat Bar is generally safe to handle, observe the following precautions during installation and use:

- **Eye Protection:** Always wear safety glasses or goggles when cutting, drilling, or shaping the flat bar to protect against flying debris.
- **Hand Protection:** Wear gloves to protect hands from sharp edges, especially after cutting.
- **Ventilation:** If using adhesives or heating the material, ensure adequate ventilation in your workspace.
- **Tool Safety:** Use all tools according to their manufacturer's instructions and ensure they are in good working condition.
- **Children and Pets:** Keep the product and tools out of reach of children and pets.

## 7. TROUBLESHOOTING

As a simple material component, extensive troubleshooting is not typically required. However, consider the following if issues arise:

- **Difficulty Cutting:** Ensure your cutting tool is sharp and appropriate for plastic. Apply steady, even pressure.
- **Cracking During Fastening:** This often occurs if pilot holes are not pre-drilled, especially when using screws. Ensure pilot holes are slightly smaller than the screw thread but larger than the screw shaft.
- **Warping/Deformation:** This can be caused by improper storage (e.g., uneven surfaces, direct sunlight) or

exposure to excessive heat. Store flat and away from heat sources.

- **Adhesive Not Holding:** Ensure the surfaces are clean and dry before applying adhesive. Use an adhesive specifically designed for PVC-U or plastics, and follow its curing instructions.

## 8. DISPOSAL

When the Alberts Flat Bar reaches the end of its useful life, please dispose of it responsibly.

- **Recycling:** PVC-U is a recyclable plastic. Check with your local recycling facilities for guidelines on plastic recycling, specifically for PVC or rigid plastics.
- **General Waste:** If recycling is not available in your area, dispose of the flat bar with general household waste according to local regulations.