

3M 10144

3M 10144 Between Coats Finishing Pads User Manual

Model: 10144 | Brand: 3M

1. INTRODUCTION

1.1 Product Overview

The 3M 10144 Between Coats Finishing Pads are designed for achieving a smooth, refined surface between applications of paint, varnish, or other finishes. These durable pads are suitable for both wet and dry applications, helping to remove minor imperfections and prepare the surface for subsequent coats.

1.2 Intended Use

These finishing pads are specifically engineered for light abrasion between coats of various finishes on wood, metal, and other surfaces. They are ideal for removing dust nibs, minor blemishes, and for creating a uniform surface profile to enhance adhesion of the next coat.



This image displays the retail packaging for the 3M 10144 Between Coats Finishing Pads. The package contains two dark gray abrasive pads, each measuring approximately 3.75 inches by 6 inches. The packaging highlights the product's purpose: 'Removes bubbles, dust nibs and other blemishes'.

2. SETUP AND PREPARATION

2.1 Before Use

- Ensure the surface is clean and free of loose debris.
- For wet sanding, have a clean water source available.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection, especially when working with chemicals or producing fine dust.

3. OPERATING INSTRUCTIONS

3.1 How to Use the Finishing Pads

Dry Application

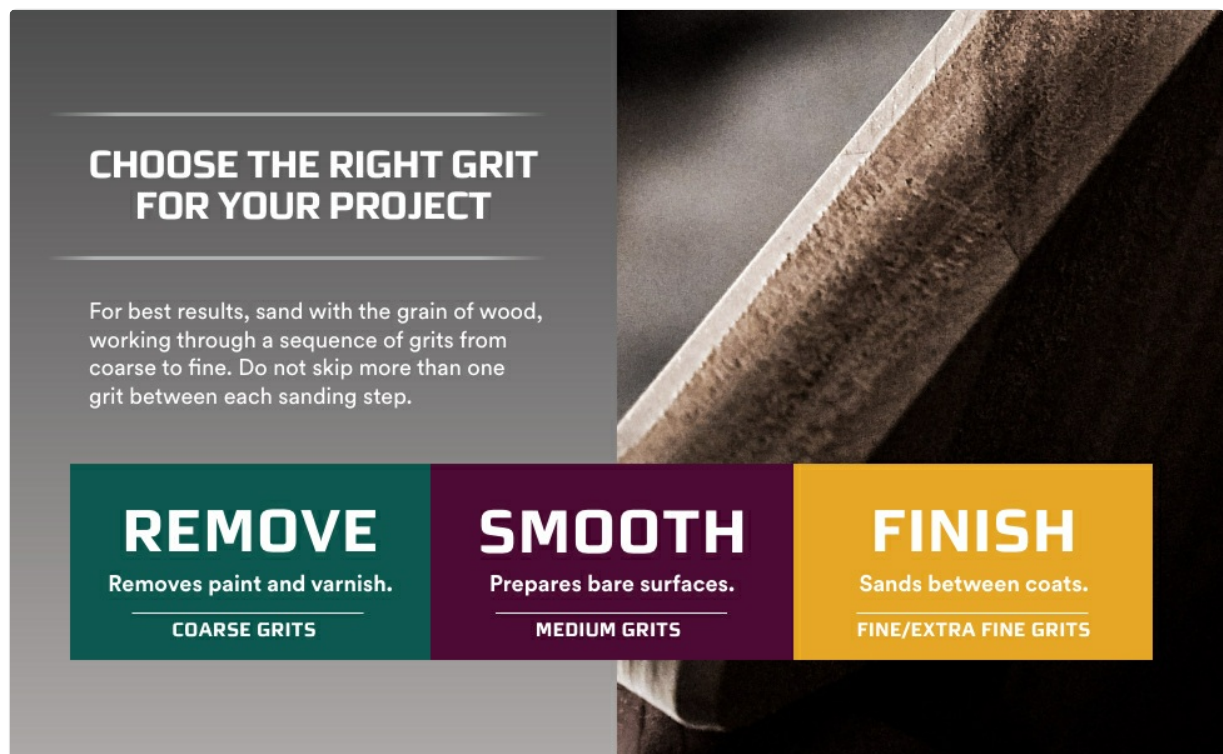
1. Hold the pad firmly and flat against the surface.
2. Apply light, even pressure.
3. Move the pad in the direction of the grain for wood surfaces, or in a consistent pattern for other materials.
4. Continue until the desired smoothness is achieved and minor imperfections are removed.
5. Wipe the surface clean with a tack cloth or lint-free cloth to remove any sanding dust before applying the next coat.

Wet Application

1. Dampen the pad and the surface with water.
2. Apply light, even pressure, moving the pad in a consistent pattern.
3. The water helps to lubricate the surface and flush away sanding debris, reducing clogging and creating a finer finish.
4. Rinse the pad frequently to remove accumulated material.
5. After sanding, thoroughly clean and dry the surface before applying the next coat.

3.2 Between Coats Finishing

The fine grit of these pads (equivalent to 240 grit sandpaper) is designed to gently abrade the previous finish coat without removing significant material. This process creates a microscopic "tooth" for the subsequent coat to adhere to, improving overall finish durability and appearance.



This diagram provides guidance on selecting the appropriate grit for various sanding tasks. It categorizes grits into 'REMOVE' (Coarse), 'SMOOTH' (Medium), and 'FINISH' (Fine/Extra Fine). The 'FINISH' category, relevant to these pads, is described as suitable for sanding between coats.

4. MAINTENANCE

4.1 Cleaning and Storage

- After use, rinse the finishing pad thoroughly with water to remove any accumulated dust or residue.
- Allow the pad to air dry completely before storing.

- Store pads in a clean, dry place away from direct sunlight and extreme temperatures to prolong their lifespan.

5. TROUBLESHOOTING

5.1 Common Issues

Pad Clogging

If the pad becomes clogged with material, rinse it under running water and gently scrub to remove debris. For stubborn clogs, a mild detergent can be used.

Uneven Finish

Ensure even pressure is applied across the entire pad surface. Avoid excessive pressure in one area, which can lead to deeper scratches or uneven material removal. Always work in a consistent pattern.

6. SPECIFICATIONS

6.1 Product Specifications

Feature	Detail
Model Number	10144
Brand	3M
Material	Aluminum Oxide
Grit Type	Fine
Grit Number	240
Dimensions (L x W x H)	4 x 0.25 x 6 inches
Item Weight	4.6 Ounces
Application	Between Coats Finishing (Wet or Dry)

7. SAFETY INFORMATION

7.1 Important Safety Precautions

- Always wear appropriate eye protection to prevent eye injury from airborne particles.
- Wear gloves to protect hands from abrasive action and any chemicals in the finish being sanded.
- Work in a well-ventilated area to avoid inhaling dust or fumes from finishes.
- Keep out of reach of children.
- Do not use on electrical equipment or live circuits.

8. SUPPORT AND CONTACT

8.1 Customer Support

For further assistance or inquiries regarding your 3M 10144 Between Coats Finishing Pads, please visit the official 3M website or contact 3M customer service.

Website: www.3m.com

Manufacturer: 3M