

3M 01680

3M Stikit Red Abrasive Sheet User Manual

Model: 01680

PRODUCT OVERVIEW

The 3M Stikit Red Abrasive Sheet is designed for sanding and shaping plastic filler, as well as for featheredging and primer sanding. It features an aluminum oxide abrasive for fast cutting and long life, with a Stikit attachment for quick tool application. This product is intended for professional and industrial applications, providing efficient and effective material removal.

IMPORTANT SAFETY INFORMATION

3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations, and the user must take any action required under any recall, field action, or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, death, or property damage. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com.

Always wear appropriate personal protective equipment (PPE) such as safety glasses, dust masks, and gloves when using abrasive products. Ensure adequate ventilation in your work area to minimize dust inhalation.

PRODUCT FEATURES

- High-value reattachable abrasive ideal for featheredging and primer sanding.
- Aluminum oxide abrasive offers a fast cut, long disc life and professional results.
- A- or D-weight paper backing ensure best results for specific projects.
- Stikit attachment makes for fast, efficient tool attachment.
- Sheet may be cut and shaped to meet project needs and dimensions.

SETUP

The 3M Stikit Red Abrasive Sheet is designed for use with compatible sanding tools that accept Stikit attachment systems.

1. **Prepare the Surface:** Ensure the surface to be sanded is clean and free of loose debris.
2. **Select the Right Grit:** Choose the appropriate grit for your application. This product is 40+ grade, suitable for aggressive material removal or shaping.
3. **Attach the Sheet:** Peel the protective liner from the back of the abrasive sheet to expose the adhesive. Carefully align the sheet with the sanding tool's pad and press firmly to ensure full adhesion.
4. **Cutting Sheets (Optional):** If your project requires a smaller size, the sheet may be cut and shaped using sharp scissors or a utility knife before attachment.



Image: Packaging of 3M Stikit Red Abrasive Sheets with several individual sheets displayed. This shows the product as it comes out of the box, ready for use.

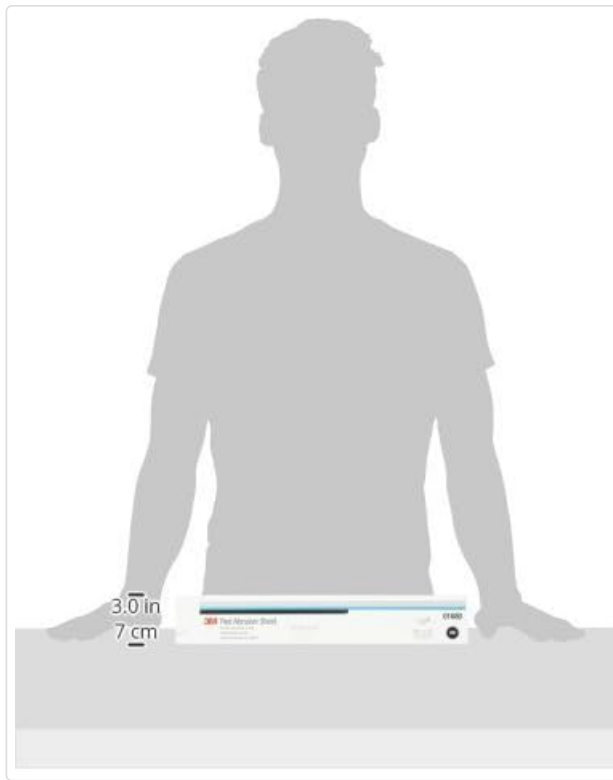


Image: A silhouette of a person holding the 3M Stikit Red Abrasive Sheet packaging, illustrating its approximate dimensions (3.0 inches / 7 cm in height).

OPERATING INSTRUCTIONS

Once the abrasive sheet is securely attached to your sanding tool, you can begin the sanding process.

1. **Power On:** Activate your sanding tool according to its manufacturer's instructions.
2. **Apply Even Pressure:** Apply light, even pressure to the sanding tool. Avoid excessive force, as this can lead to uneven sanding, premature wear of the abrasive, or damage to the surface.
3. **Sanding Motion:** Move the sanding tool in a consistent pattern across the surface. For best results, overlap each pass slightly.
4. **Dust Management:** Regularly clear dust from the work surface and the abrasive sheet to maintain cutting efficiency and prevent clogging.
5. **Inspect Progress:** Periodically stop and inspect the sanded surface to ensure desired results are being achieved.
6. **Featheredging and Primer Sanding:** For featheredging, gradually reduce pressure at the edges of the repair area to create a smooth transition. For primer sanding, ensure the surface is uniformly smooth and ready for subsequent coatings.

MAINTENANCE AND STORAGE

Proper care and storage will help maintain the effectiveness of your abrasive sheets.

- **Cleaning:** After use, gently brush off any accumulated dust or debris from the abrasive surface. Do not wash the sheets with water.
- **Storage:** Store unused sheets in their original packaging or a clean, dry environment away from direct sunlight and extreme temperatures. This helps preserve the adhesive and abrasive properties.
- **Disposal:** Dispose of used abrasive sheets according to local regulations for industrial waste.

TROUBLESHOOTING

If you encounter issues while using your 3M Stikit Red Abrasive Sheets, consider the following:

- **Poor Adhesion:**
 - **Cause:** Dust or debris on the sanding pad, old or damaged pad, or improper application.
 - **Solution:** Clean the sanding pad thoroughly. Ensure the pad is in good condition. Apply the sheet firmly and evenly.
- **Ineffective Sanding / Clogging:**
 - **Cause:** Abrasive sheet is worn out, too fine a grit for the task, or excessive dust buildup.
 - **Solution:** Replace the abrasive sheet. Use a coarser grit if more aggressive material removal is needed. Regularly clear dust from the sheet and work area.
- **Uneven Finish:**
 - **Cause:** Uneven pressure, worn sanding pad, or incorrect sanding technique.
 - **Solution:** Apply consistent, even pressure. Inspect and replace the sanding pad if worn. Practice smooth, overlapping sanding motions.

SPECIFICATIONS

Attribute	Detail
Brand	3M
Model Number	01680
Size	2-3/4 in x 16 1/2 in
Grade	40+
Quantity	25 Sheets
Color	Red
Backing Type	Paper
Grit Material	Aluminum Oxide

Compatible Material	Plastic
Country of Origin	Canada

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or further assistance, please contact 3M directly or visit their official website. Specific warranty details may vary by region and product. You can find more information at: www.3m.com