



Effective: 04/05/2017

Technical Data Sheet

Supersedes: 08/02/2010

Automotive Aftermarket Division

3M™ 443SA Trizact Blending Discs

1) Part Numbers

50341- 150 mm discs

50413 - 75mm discs

2) Description and end uses

3M 443SA Trizact Blending Discs are revolutionary structured abrasives for use keying paint for the preparation of paint prior to the blending process. The discs have pyramid or triangular block structures which contain multiple layers of fine grade abrasive mineral. As the abrasive wears, sharp mineral is continuously exposed. The result is a consistent smooth finish and exceptional life. The finish obtained is approx. 2 microns, allowing paint to adhere to the keyed surface without scratches showing through.

Application areas

- 1) Preparation of clear coat around a repair for large areas by machine and smaller areas by hand.
- 2) Keying of awkward areas and bumpers by hand.
- 3) For use in polishing applications as a large area flattening product before use of P3000 Trizact.
- 4) For hand use to denib base coat imperfections in the painting process when after application of base coat imperfections need removing.

3) Physical Properties

Foam backed abrasive disc with Hookit facing in 150 mm diameter.

Use with a Hookit pad for machine application or for hand applications the full size Hookit or half round hand pads.

Product highlights:

- 2 micron finish
- Foam backing conforms to texture or orange peel without removing the original texture
- Structured abrasive provides consistent uniform finish
- Excellent life seen-often product will sand several panels
- Eliminates rework caused by incorrectly prepared panels



4) Directions for Use

- For machine use-use a fine action D/A sander (5 or 3 mm orbit) fitted with a soft Hookit back-up pad.
- Use a soft interface pad (PN 05774) to allow more even matting.
- Use with a little water wetting the area with a pump spray bottle, also wet the disc face. The disc should not be allowed to run dry.
- Do not use solvent or water-based degreaser.
- Do not leave soaking in water bucket.
- Using medium pressure sand over the area to matt the surface.
- Seeing if complete matting has taken place can only be seen by cleaning and drying the surface.
- For Hand use- assisted by use of either interface pad part nos. 05791/05792
- Again use damp, matting surface with even pressure.

5) Storage

It is recommended that all Coated Abrasive Products should be stored at constant levels of temperature and humidity within the ranges of 18-22°C, 50-65% RH. They should be kept away from damp (or cold) walls, windows or floors to avoid possible moisture absorption. Equally, storage adjacent to heat sources, e.g. steam pipes, radiators, hot air ducts, ovens, etc., should be avoided.

Product is best stored in original packaging until ready for use Shelf life indefinite under these conditions.

6) Safety

Whenever possible, sanding should be carried out in a well-ventilated area and it is strongly recommended that suitable goggles, dust mask and gloves are worn.

Discs should be used only on machines with a suitable support pad designed for the purpose and maintained in good condition at all times.

The abrasive discs should extend symmetrically to no more than 2 mm beyond the outer rim of the support pad.

Damaged or misshapen abrasive discs or support pads should not be used.

Discs and pads should not be modified in any way. They should be used only in their original size and shape, as supplied.



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It is recommended that discs be used only on support pads that are clearly marked with maximum permitted running speed. The speed stated should not be exceeded.

Machines should be operated with the disc making the shallowest angle possible with the work piece.

Care should be taken to ensure that discs without a centre hole are mounted centrally on the support pad.

When not in use disc sanding machine should be placed in a stand designed for the purpose or, alternatively, positioned on their backs. They must not be placed with the disc or pad face in contact with the floor or workbench.

3M™ 443SA Trizact Blending Discs is designed FOR PROFESSIONAL INDUSTRIAL USE ONLY.

7) Disclaimer

All statements, technical information and recommendations are based on tests we believe to be reliable but the accuracy or completeness thereof is not guaranteed. Please ensure before using our product that it is suitable for your intended use. All questions of reliability relating to this product are governed by the Terms of Sale subject, where applicable, to the prevailing law.

For Additional Health and Safety Information

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