



3M™ Trizact™ Diamond HX Discs

Technical Data

June 2015

Description:

3M™ Trizact™ Diamond HX Discs restore and condition stone and concrete floors. 3M™ Trizact™ Diamond HX Discs create a smooth, highly-refined surface ready for finishing with Scotchgard™ Stone Floor Protector and final burnishing with Scotch-Brite™ Purple Diamond Floor Pad Plus.

Special Features:

- Micro-replicated composite diamond abrasive structures consistently and rapidly smooth and level stone floor surfaces
- Flexible backing and attachment system
- Used with water or neutral cleaner



Applications:

Use 3M™ Trizact™ Diamond HX Discs to prepare stone surfaces prior to finishing with Scotchgard™ Stone Floor Protector and/or burnishing with Scotch-Brite™ Purple Diamond Floor Pad Plus

Suitable for stone floors such as marble, terrazzo, limestone, travertine and concrete

- Designed for use with autoscrubbers and low-speed floor machines
- Use four of the 5 inch 3M™ Trizact™ Diamond HX Discs arranged in a cross pattern when using with an autoscrubber or low-speed floor machine with a diameter of 17 inches or more

- If using on a dual-head auto-scrubber or machine of less than 17 inch diameter, use four of the 3 inch Trizact discs on each pad, arranged in a cross pattern
- 3M™ Trizact™ Diamond HX Discs should be applied to a 3M floor pad, such as the 3M™ Red Buffer Pad 5100

Packaging and Markings:

3M™ Trizact™ Diamond HX Discs have a patterned white abrasive face with Gold, Red or Blue identifying printing on the back.

- 3" discs come 8 to a box, 4 boxes to a case
- 5" discs come 4 to a box, 4 boxes to a case

General Use Directions:



3M™ Trizact™ Diamond HX abrasive discs are intended for **wet floor maintenance processes only**. DO NOT use this product in any dry application.

The recommended number of passes for 3M™ Trizact™ Diamond HX Discs Gold, Red and Blue listed below are starting guidelines for "average" floors. The exact number of passes needed will depend on the floor condition (e.g. rough-trowel, deep staining) and desired aesthetic result (e.g. an exposed aggregate look).

For heavily damaged floors, where there is visible, apparent wear or damage from scratching or pitting, start with 3M™ Trizact™ Diamond HX Discs Gold. Otherwise, start with 3M™ Trizact™ Diamond HX

Discs Red (skip steps 3 and 5 below).

Only the user knows and controls the factors affecting the performance and safe use of these products. As such, it is the responsibility of the user (and not 3M) to determine whether these products are suitable for the user's application.

1. 3M™ Trizact™ Diamond HX Discs are designed for use with a low-speed (swing) machine or an autoscrubber
2. Use 3M™ Trizact™ Diamond HX Discs with water or neutral cleaner. **Do not use dry.**

The hook backing of the disc is used to hold the 3M™ Trizact™ Diamond HX Discs onto a floor pad, such as the 3M™ Red Buffer Pad 5100

3. Attach four of the 3M™ Trizact™ Diamond HX Discs Gold (gold printing) to the 3M™ Red Buffer Pad 5100 in the 12:00, 3:00, 6:00 and 9:00 positions
4. Prepare new 3M™ Trizact™ Diamond HX Discs for use by making preliminary passes to expose the abrasive or by rubbing the abrasive surface with sand paper or other suitable abrasive; discs are conditioned for use when slurry appears on floor
5. Make 6 passes with the 3M™ Trizact™ Diamond HX Disc Gold with squeegee up and solution on; last pass should be with squeegee down

Wet vac and mop or autoscrub with 3M™ Red Buffer Pad 5100 between the 3M™ Trizact™ Diamond HX Disc Gold, HX Disc Red and HX Disc Blue steps and before burnishing to remove any residual abrasive or debris that might cause scratches.



Dispose of waste and slurries generated from wet polishing in accordance with all applicable local and government regulations.

6. Attach 3M™ Trizact™ Diamond HX Discs Red (red printing) to a 3M™ Red Buffer Pad 5100 in the 12:00, 3:00, 6:00 and 9:00 positions
7. Make 6 passes with the 3M™ Trizact™ Diamond HX Discs Red with squeegee up and solution on; last

pass should be with squeegee down.



8. Attach 3M™ Trizact™ Diamond HX Discs Blue (blue printing) to a 3M™ Red Buffer Pad 5100 in the 12:00, 3:00, 6:00 and 9:00 positions
9. Make 6 passes with the 3M™ Trizact™ Diamond HX Discs Blue with squeegee up and solution on; last pass should be with squeegee down.
10. Once floor is dry, dust with 3M™ Easy Trap Duster
11. 3M™ Trizact™ Diamond HX Discs should be washed and air dried after use. **DO NOT put the discs back into the package unless they are COMPLETELY dried.**

Pad Cleaning:

If 3M™ Trizact™ Diamond HX Discs cannot be rinsed immediately after use, discs can be placed temporarily in a plastic liner to prevent abrasive residue from drying onto discs before rinsing. Discs may be rinsed with a faucet or hose. A pressure spray nozzle will remove residue most effectively.

Alternatively, used discs can be allowed to air dry outside of the packaging, and then the dried abrasive residue can be scraped or tapped off into general waste. **Do not store used discs in a closed container unless they are completely dry.**

Explanation of Signal Word Consequences

 DANGER:	Indicates a hazardous situation which, if not avoided, will result in serious injury or death
 WARNING:	Indicates a hazardous situation which, if not avoided, could result in serious injury or death

DANGER

- **To reduce the risks associated with inhalation of or exposure to contaminants:**
 - DO NOT use this product on any asbestos-containing material.

WARNING

- **To reduce the risks associated with inhalation of or exposure to contaminants:**
 - Do not use dry. 3M™ Trizact™ Diamond HX Discs are intended for wet applications only.
 - Do not allow this product to be used by untrained operators.
 - Always follow standard safety practices, including wearing appropriate protective apparel and eye protection, while using this product.
- **To reduce the risks associated with impact:**
 - Use only in low speed wet applications, such as use with an autoscrubber.
 - Inspect both the backup pad and disc prior to each use. Replace if damaged, cracked, nicked, torn, or worn out.
 - Do not use an abnormally curled or cupped disc.
- **To reduce the risks associated with use in a hand tool application:**
 - Use a tool with rotation speed under 4,000 rpm and a water spray bottle to keep the work area wet.
 - Ensure the tool is in contact with the work surface when it is started.
 - Ensure the backup pad is the same size as or larger than the disc attached to it.
 - Use only double-insulated tools and/or GFCI plugs and cords with any tool this product is mounted on.
 - Stop immediately if vibration or wobbling occurs during use. Determine cause and correct before continuing.
 - Ensure the backup pad shaft is fully seated in the tool collet or properly secured to the tool per the manufacturer's recommendations. Center disc properly on backup pad.
- **To reduce the risks associated with environmental contamination:**
 - Dispose of waste and slurries generated from wet polishing in accordance with all applicable local and government regulations.

3M Branch Sales Offices

ANCHORAGE

11151 Calaska Circle
Anchorage, AK 99515
Telephone: 907/522-5200
Facsimile: 907/522-1645

HONOLULU

4443 Malaai Street
Honolulu, HI 96818
Mail to: P.O. Box 30048
Honolulu, HI 96820
Telephone: 808/422-2721
Facsimile: 808/422-9557

CONTINENTAL UNITED STATES

Customer Service Department
3M Center Building 223-2N-21
St. Paul, MN 55144-1000
Order Entry: 1-800-852-9722
Facsimile: 1-800-447-0408

CANADA

1840 Oxford Street East
London, Ontario, N5V 3G2
Canada
Telephone: 519/451-2500
Facsimile: 519/452-6262

Important Notice to User:

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty and Limited Remedy: 3M warrants that each 3M product will be free from defects in material and manufacture for 90 days from the date of purchase from 3M's authorized distributor. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential (including, but not limited to, lost profits), regardless of the legal or equitable theory asserted.



Commercial Solutions Division

St. Paul, MN 55144-1000
1-800-852-9722
www.3M.com/building

3M, Scotch-Brite, Scotchgard, and Trizact are trademarks of
3M Company.
© 2015 3M. All rights reserved.