



3M™ Trizact™ Diamond HX Discs

FREQUENTLY ASKED QUESTIONS

Q: Can I use the 3M™ Trizact™ Diamond HX Discs dry?

A: No, water or a neutral cleaner should be used with 3M™ Trizact™ Diamond HX Discs.

Q: Can I use 3M™ Trizact™ Diamond HX Discs to strip the floor with or without floor stripper chemicals?

A: No, the use of traditional 3M stripping chemicals and floor pad procedures is recommended.

Q: Will 3M™ Trizact™ Diamond HX Discs work to remove Scotchgard™ Ultra Durable Floor Finish or other ultra durables/urethanes/epoxies?

A: No, because the removed coating residue adheres to and can clog the 3M™ Trizact™ Diamond HX Discs' abrasive features. Use of Scotchgard™ Ultra Durable Floor Finish Remover is recommended.

Q: What types of surfaces can I use them on?

A: Every floor requires careful consideration of specific material type, floor condition, and available equipment. Successful results have been obtained on hard surfaces such as terrazzo, concrete, and marble. Use on combinations of different types of stone materials (e.g. marble with decorative granite inlay) should be avoided.

Q: What if I start seeing scratches?

A: Scratching can occur from damaged discs resulting from floor conditions such as tile lippage, and exposed edges from expansion joints and seams. If visible scratches appear, examine the 3M™ Trizact™ Discs for missing abrasive features, creasing, or other physical damage, and rework floor as necessary. "Crop-marking" or "donut mark" swirls should be avoided by maintaining constant machine movement—don't pause the machine in one spot with the driver pad rotating.

Q: Do I have to use the 3M™ Trizact™ Diamond HX Discs in sequence starting with 3M™ Trizact™ Diamond HX Red and finishing with 3M™ Trizact™ Diamond HX Blue Disc?

A: 3M™ Trizact™ Diamond HX Blue Discs should ALWAYS follow 3M™ Trizact™ Diamond HX Red Discs, prior to final polishing and burnishing with the Scotch-Brite™ Purple Diamond Floor Pad Plus and Scotchgard™ Stone Floor Protector.

Q: Scotch-Brite™ Sienna Diamond Floor Pad Plus and Scotch-Brite™ Purple Diamond Floor Pad Plus pads produce a slight milky slurry during use. Does the slurry from the 3M™ Trizact™ Diamond HX Discs look similar?

A: Yes, but typically the volume of slurry produced with 3M™ Trizact™ Diamond HX Discs is much greater. Keeping the slurry on the floor during use of 3M™ Trizact™ Diamond HX Discs is critical—follow the procedures detailed in the 3M™ Trizact™ Diamond HX Discs tech data bulletin.

Q: Can the hook mounting disc be reused?

A: Yes, until they become loaded up with pad fiber or debris. After many use cycles, the hook discs will eventually weaken and not adhere well to the driver pad.

FREQUENTLY ASKED QUESTIONS (cont.)

Q: Do 3M™ Trizact™ Diamond HX Discs require any break-in before use?

A: Usually, new discs become “conditioned” or “worn-in” within the first pass on the recommended multi-pass sequence.

Q: When do I use 3 inch vs. 5 inch 3M™ Trizact™ Diamond HX Discs?

A: Driver pads 16 inches and below use 3 inch discs. Driver pads 17 inches or greater use 5 inch discs.

Q: Are there any special issues that might come up with use of the 3M™ Trizact™ Diamond HX Discs?

A: In some cases, the efficient cutting action of 3M™ Trizact™ Diamond HX Blue Discs can overload floor machines, causing circuit breaker interruptions. Reducing machine pressure can help alleviate this problem.

Q: How do I repair scratches?

A: Replace damaged discs and rework as necessary.

Q: How do the 3M™ Trizact™ Diamond HX Discs work compared to Scotch-Brite™ Diamond Floor Pads?

A: Compared to Scotch-Brite™ Diamond Floor Pads, 3M™ Trizact™ Diamond HX Discs abrade the floor, creating a smooth, uniform surface for finishing to ultra-high gloss with subsequent Scotch-Brite™ Purple Diamond Floor Pad Plus and Scotchgard™ Stone Floor Protector application procedures.

Q: What “grade” are 3M™ Trizact™ Diamond HX Discs?

A: 3M™ Trizact™ Diamond HX Discs are not classified by a grade designation—the abrasive on the 3M™ Trizact™ Diamond HX Red Disc is roughly 400 grit. The 3M™ Trizact™ Diamond HX Blue Disc is roughly 1,000 grit.

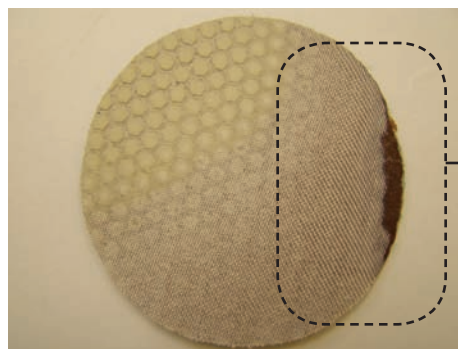
Q: How long will 3M™ Trizact™ Diamond HX Discs last?

A: 3M™ Trizact™ Diamond HX Disc life depends critically on use factors such as flooring type and condition, machine pressure and speed.

- Terrazzo: estimate 5,000 sq. ft. FINISHED (5,000 ft. x 6 passes = 30,000 sq. ft. TOTAL)
- Concrete: due to variability in starting surface condition, estimate ~1,000 sq. ft. FINISHED (1,000 ft. x 6 passes = 6,000 sq. ft. TOTAL)

Q: How do I know when to replace 3M™ Trizact™ Diamond HX Discs?

A: 3M™ Trizact™ Diamond HX Discs will continue to cut as long as the abrasive features are visible—the cloth backing may be exposed on parts of the disc as the abrasive wears down. See photo 1.



Backing is exposed as the abrasive grain wears down.

Photo 1



FREQUENTLY ASKED QUESTIONS (cont.)

Q: How much pad pressure should the customer use?

A: 3M™ Trizact™ Diamond HX Red Discs are normally used at higher machine pressure settings. The efficient cutting action of 3M™ Trizact™ Diamond HX Blue Discs causes more friction and can overload some machines at higher pressures. If this occurs, lower pressure settings should be selected—lower pressure also helps to extend disc life.

Q: Will this process work on both Portland-based terrazzo and synthetic/epoxy terrazzo?

A: Yes, 3M™ Trizact™ Diamond HX Discs can be used with virtually all types of terrazzo surfaces.

Q: Will 3M™ Trizact™ Diamond HX Discs impact the life (thickness) of the stone flooring?

A: Although 3M™ Trizact™ Diamond HX Discs abrade the floor surface and remove scratches and other shallow surface damage, the effect on the overall thickness of the floor is not significant.

Q: What about other types of stone floors like granite, ceramic, porcelain, and sandstone?

A: 3M™ Trizact™ Diamond HX Discs can abrade virtually all hard floor materials. Restoring a high-gloss appearance to other types of floors like granite, ceramic, porcelain and sandstone after abrading with 3M™ Trizact™ Diamond HX Discs can be difficult or impossible, even using the Scotch-Brite™ Purple Diamond Floor Pad Plus and Scotchgard™ Stone Floor Protector. Extreme caution should be exercised to avoid damaging these types of floor surfaces.

Q: What types of equipment can be used with 3M™ Trizact™ Diamond HX Discs?

A: Low-speed swing machines, and walk-behind or riding autoscrubbers are suitable. These machines should always be operated at a slow pace across the floor surface. 3M™ Trizact™ Diamond HX Discs should NOT be used on high-speed burnishers (>175 rpm).

Q: How are floor edges and stairs finished?

A: A swing machine is recommended for detailing around edges and obstacles such as electrical floor outlets, column bases, etc. On stairways and other small, confined areas, a 5 inch powered hand tool may be used, if water is applied during use.

Caution: Some floors may release dust that could be hazardous to the user or bystanders. Eye, skin and/or respiratory personal protection equipment may be appropriate to reduce the risks associated with exposure to airborne dust.

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