



**A polished concrete floor system developed by  
HTC - the Industry Leader**



Mailing address:  
PO Box 5077  
Knoxville, TN 37928

Visiting Address:  
5617 Tazewell Pike  
Knoxville, TN 37918

Ph. 865.689.2311  
Toll-free 1.877.482.8700  
Fax 865.689.3991  
[www.htc-america.com](http://www.htc-america.com)



**Functional  
Ecological  
Economical**

**HTC Superfloor™ is a polished concrete  
floor system developed by HTC - the  
Industry Leader**





Concrete is the most commonly used construction material because of the many benefits it offers. Among these are strength, durability, a long lifespan, affordability, environmentally friendly, and it is recyclable. Why then have we chosen to cover it up with man made petroleum based materials that do not have these characteristics, which leads to expensive repairs and maintenance? HTC, the industry leader in high production concrete grinders and polishing equipment combined with high efficiency dust extracting systems and state of the art dry diamond tooling technology, has developed a unique diamond grinding process, HTC Superfloor™. This process utilizes an innovative grinding and polishing system which includes both metal bond and resin bond diamonds to bring out the natural beauty in your concrete floors. HTC Superfloor™ produces a highly reflective surface finish that is not only aesthetically pleasing, but reduces maintenance costs and increases durability. HTC Superfloor™ can also polish in a variety of environmentally friendly colors.



## What Makes HTC Superfloor™ the Best?

**HTC Superfloor™ is superior to all other processes because it is more functional, ecological and economical.**

### Functional

- Dense, polished surface helps protect against absorption of oil and other contaminants
- Resists tire marks from fork trucks and other traffic
- Harder and stronger than other floor finishes
- 40% more abrasion resistant than unfinished concrete
- 20% increase in impact resistance than unfinished concrete
- 30% increase in ambient light reflection from unfinished concrete
- Flatter, more level surface
- OSHA recommends that you achieve a static coefficient of friction (SCOF) of 0.5 for polished surfaces - HTC Superfloor™ SCOF wet: .50 and dry: .58
- Easily add color to existing concrete during the HTC Superfloor™ process

### Ecological

- Dry, dust-free grind filters out 99.9% of all airborne dust
- No VOC's
- No coating, urethane, waxes or topical coatings applied
- No slurry
- No protective gear, such as ear plugs, masks, or retardant proof clothing necessary
- New water-based dyes for environmentally friendly coloring

### Economical

- Lower initial costs compared to most other floor coverings
- No down time waiting on chemical processes to cure
- One-time application with minimal maintenance
- Lower maintenance costs with less wear on cleaning equipment and consumables
- Long life cycle of 5-10 years



# Our Precision Process is the Superfloor™ Difference

# A Little Goes a Long Way

The HTC Superfloor™ process consists of seven basic steps of mechanical grinding and polishing. Depending on the current condition of the floor, the process may require more steps, or even less. The first three steps prepare the floor by flattening and leveling it using metal bond diamond grindings. These steps are crucial to ensure proper finishing and safety standards. The last four steps use resin bond diamonds for polishings. These steps seal the floor and polish it to a matte, satin or glossy finish. HTC's VOC compliant polishing method brings out the natural strength and beauty of the concrete—without harming the environment.

## Low and Simple Maintenance

HTC Superfloor™ is resistant to tire marks and other contaminants, therefore the floor only needs a light cleaning from time to time and the periodic use of the TWISTER Diamond Cleaning System. HTC Superfloor™ never requires harsh chemicals to clean or strip the surface like some other processes—and over a 20-year period, Superfloor™ costs a fraction of what vinyl, tile or coatings cost to maintain.

## Basic Stages of the HTC Superfloor™ Process



**STAGE 1**  
A rough grind removes old dirt and coatings from the concrete



**STAGE 2**  
Two progressively finer grinds refine the rough floor to a flat, level surface



**STAGE 3**  
The floor is treated with an impregnator to prepare it for diamond polishing



**STAGE 4**  
Polishing uses specially designed Superfloor™ diamond tools with progressively finer abrasion



**STAGE 5**  
Final polishing brings floor to a durable, high-gloss finish



## Cleaning and Maintaining a Superfloor™

- 1. Sweep** Every day, sweep the floor with a dust mop or fine bristle broom to remove surface debris such as sand and dirt that may scratch the surface.
- 2. Clean** Dilute Superfloor™ Cleaner as directed and apply to the surface using a mop or use TWISTER Diamond Cleaning System by HTC with an autoscrubber.
- 3. Restore** Extensive traffic or poor maintenance practices may cause polished concrete to lose some of its luster. Restore the floor's original shine with a simple re-polish using the last grit of resin diamond or by using the TWISTER Diamond Cleaning System by HTC.
- 4. Protect** Provide an extra level of protection by applying a fine layer of HTC Superfloor™ Stainguard with a wax applicator or airless pump sprayer.



# TWISTER™ Welcome to the Cleaning Revolution!

Clean shiny floors result in satisfied customers over and over again....

TWISTER Diamond Cleaning System consists of diamond impregnated pads in conjunction with TWISTER Cleaner that can be used on most common floor surfaces such as HTC Superfloor™ polished concrete, terrazzo, marble, natural stone, concrete, vinyl and epoxy. Some unique advantages of the TWISTER Diamond Cleaning System are:

- Produces a high quality floor that offers extreme cleanliness, without the use of wax or polish, resulting in high gloss every day.
- Works on almost all floor surfaces and designed to be used with most janitorial machines.
- Leaves a consistent shine on floors eliminating the need for periodic restoration along with 40% lower cleaning costs and less chemical (CLEANER is diluted 1:400) use makes TWISTER™ Diamond Cleaning System cost effective
- Recognized as a preferred environmental choice for cleaning worldwide, due to TWISTER™ and TWISTER CLEANER eliminating the need for caustic or acidic cleaners and also being pH neutral for the environment.



## Diamond Cleaning System by HTC

