Think concrete’s tough?  
We make it tougher.
For years, concrete floors were protected with films and coatings - merely temporary solutions which wear away and require re-application. Ashford Formula takes a different approach by penetrating the concrete surface, growing crystals in the concrete itself. This reaction fills the natural pores and voids in the concrete, densifying the surface internally.

BENEFITS

- **DENSIFIES**
  - Ashford Formula densifies concrete surfaces into a solid mass by penetrating the concrete and chemically filling the pores from within.

- **DUSTPROOFS**
  - Ashford Formula combines with calcium hydroxide, becoming an integral part of the concrete, thus completely dustproofing the surface. This reduces maintenance costs and protects inventory and equipment from concrete dust.

- **PERMANENT SHEEN**
  - Over time, Ashford Formula treated floors develop a wax-like sheen. As a floor is subjected to traffic and regular cleaning, the machine-troweled concrete self-polishes, instead of eroding or wearing away.

- **ABRASION RESISTANCE**
  - Ashford Formula chemically hardens the concrete surface, increasing the abrasion resistance by 32%.

- **CURES**
  - Ashford Formula reacts immediately, chemically stabilizing the finished concrete surface. It also accelerates and enhances hydration of the portland cement, helping the concrete reach its design properties.

- **ELIMINATES HIGH MAINTENANCE COSTS**
  - Application of the Ashford Formula is a one-time, permanent application. This eliminates the need for expensive re-application materials, labor costs and facility downtime. Routine surface cleaning is all that is required for long-term maintenance.

DENSIFY FOR STRONGER, TOUGHER CONCRETE FLOORS

Ashford Formula is a chemically reactive liquid that penetrates the concrete, solidifying the concrete surface components into a solid mass. It produces a permanently denser, harder, penetration and abrasion-resistant concrete surface. Ashford Formula is inorganic, non-toxic, VOC free, colorless and odorless.

NON-DENSIFIED CONCRETE
A simple scratch test with a metal object demonstrates the softness of non-densified concrete.

This non-densified concrete sample reveals the porous structure of concrete, which leads to wear and deterioration.

ASHFORD FORMULA DENSIFIED CONCRETE
Scratching a concrete surface densified with Ashford Formula reveals no erosion or dusting. Ashford Formula has strengthened the concrete surface from within.

Ashford Formula densifies by penetrating the concrete surface and filling the natural pores and voids with crystalline growth.
There are so many choices and so many reasons, but the decision is simple. An Ashford Formula treated floor simply out-performs the competition in results and long-term cost savings, with an economical one-time investment. Properly densifying your floor means doing the job right the first time for results that last a lifetime.

**THE RIGHT DECISION**
**NOW, AND FOR THE FUTURE**

SUBSTANTIAL COST SAVINGS
- Proven long-term performance at minimal cost
- Single, permanent application - no need for expensive re-application materials, labor or costly facility downtime
- Quick application - saves valuable construction time and cost
- Eliminates high maintenance costs - only routine cleaning is required for optimum results

REDUCED ENVIRONMENTAL IMPACT
- Use of existing concrete floors as the finished surface
- Permanent life cycle - no need for replacement like floor coverings
- Produces no fumes, vapors, off-gassing; VOC free - improves indoor air quality
- Contributes to LEED points for sustainable building
- Packaged in re-conditioned blue drums

CERTIFICATIONS & RECOGNITIONS
- TUV Tested and Certified
- Zero (0) VOCs
- CE Declaration of Conformity
- REACH Certified
- Approved for use in food handling facilities

“I AM CONVINCED THAT THE ASHFORD FORMULA IS THE ONLY WAY TO GO, AND I DON’T HESITATE TO GIVE THE FORMULA AN UNQUALIFIED RECOMMENDATION.”

J. Keith McCoy, Chief of Maintenance, Pennzoil Company
Your business productivity requires a solid, DENSIFIED concrete floor.
Your concrete floor is more than a building foundation. It is also the foundation of your business productivity. For lifelong floor performance, long-term cost effectiveness and sustainability, worldwide corporations like Caterpillar, Coca-Cola, DHL, Procter & Gamble, IKEA and Whirlpool have chosen Ashford Formula as their concrete densifier of choice.

With its one-time application, the Ashford Formula never requires re-treatment. It provides exceptional performance for the entire life of your floor. Never halt your business productivity or pay for costly repeated applications down the road. It’s why notable worldwide corporations have chosen the performance of the Ashford Formula.

With the longest proven track record of performance in the industry, 65+ years and counting, Ashford Formula is the trusted product for permanent, superior concrete floor results.
DESCRIPTION
Clear, odorless, non-toxic, non-combustible, non-flammable. Contains no VOCs.

USES
Concrete, heavyweight concrete block, exposed aggregate and other sand/aggregate portland cement combinations.

New or old concrete, rough or smooth surfaces.

FUNCTIONS
Densifies, dustproofs, hardens and cures. Protects against dusting, pitting, spalling, efflorescence and surface crazing. Inhibits freeze/thaw deterioration.

PACKAGING
- 55 - gallon drums / 208 liters
- 5 - gallon pails / 19 liters

STORAGE LIFE
Indefinite. Agitate before use.

COVERAGE
Approximately 200 ft²/gal (5 m²/L).
Coverage may depend on the temperature and porosity of the concrete.

SURFACE PREPARATION
- Freshly Finished Concrete (NEW): No preparation required.
- Existing Concrete (OLD): Sweep, scrub or strip concrete to remove any surface contaminants or film.

APPLICATION
Only one permanent application is required. Apply with high-volume, low-pressure sprayer until flood coat is achieved. Work material into the surface with fine-bristled brooms, or with an auto scrubber. Keep the entire surface wet with Ashford Formula for 30 minutes. Then when the Ashford Formula becomes slippery, flush completely with water and squeegee dry or vacuum excess with an automatic scrubber.

*See Spec Data Sheet or Application Specifications for specific details.

SURFACE APPEARANCE
On smooth troweled concrete, a sheen develops within 4-12 months. All other surfaces retain their natural appearance. The sheen can be accelerated by burnishing the floor. A spiff coat can also be used to enhance the initial sheen.

EQUIPMENT CLEAN-UP
Use soap and water before the Ashford Formula dries.

PAINTING
Allow at least seven (7) drying days before applying paint on existing concrete. Allow twenty-eight (28) days for proper curing before painting new concrete.

NOTE
Apply to colored concrete only after the slab is fully cured, unless installed by a factory certified applicator.

Do not allow to dry on finished surfaces (glass, aluminum, stainless steel, walls, etc.) as permanent etching may occur.

Ashford Formula is a highly effective compound which delivers superior results. Application should be performed by qualified contractors with a clear understanding of its application and uses. *See Spec Data Sheet or Application Specifications for specific details.
**PERFORMANCE CRITERIA**

**INCREASED ABRASION RESISTANCE**

*ASTM C 779 - Depth of Wear*

Abrasion Resistance to Revolving Disks: An improvement of 32.5% over untreated samples after 30 minutes.

**ENHANCED CURING**

*ASTM C 856 - Petrographic Examination (Density of the Paste)*

The number of unhydrated cement grains remaining on the surface - depth of 150 - 250 µm. Fewer unhydrated cement grains mean better curing.

**GREATER IMPACT RESISTANCE**

*ASTM C 805 - Rebound Number*

Impact Resistance by Schmidt Hammer: An increase of 13.3% over untreated samples.

**HIGHER FRICTION**

*ASTM C 1028 - Friction*

The co-efficient of friction on steel-troweled samples: reference tile vs. Ashford Formula (a higher ratio represents a less slippery surface):

- Wet: 0.69 vs. 0.47
- Dry: 0.86 vs. 0.71

**BONDING**

*ASTM D 3359 - Surface Adhesion*

Adhesion of Coatings: For epoxy, a 22% increase in adhesion over untreated samples. No change in adhesion for polyurethane.

**PERMEABILITY**

**Seepage Rate**

Using a 7 ft. (2.13 m) head of water on a 4.91 in² (124.71 mm²) area treated with Ashford Formula only allowed a rate of 0.00073 oz (0.022 cc) / hour. After several days the sample became damp, but no observable local seepage.

**WEATHERING**

*ASTM G 23 - Light Exposure Degradation*

Exposure to ultraviolet light and water: No evidence of adverse effects on the samples treated with Ashford Formula.

*This technical information is provided as a general performance profile for evaluating the appropriate use of Ashford Formula. Independent laboratories obtained the test performance results under controlled environments. Curecrete Distribution, Inc. makes no claim that these tests, or any other tests, accurately represent actual design and/or usage environments.*
MAINTENANCE PROGRAM

An effective maintenance program that includes routine scrubbing with stiff bristle brushes, ample down pressure, and proper amounts of water and detergent will enhance the floor’s performance significantly. Implementation of the following maintenance program will allow the Ashford Formula to continue to react with the concrete, lifting contaminants away from the concrete and allowing the marble-like sheen to develop.

**Scrub Floor OFTEN:** Minimum routine cleaning 2 - 3 times per week with CreteClean Plus with Scar Guard provides superior results.

**Clean Spills QUICKLY:** After densification is complete, concrete will resist contamination and moisture penetration of most liquids. Corrosive or aggressively staining contaminants should be removed quickly to avoid possible staining.

RECOMMENDED SUPPLIES

- **Automatic Scrubber**
  Capable of 125 - 150 lbs. of downward pressure.

- **Black Stripping Pads or Medium-Aggressive Nylon Brushes**
  Accelerates the sheen and creates a more uniform appearance.

- **Detergent: CreteClean Plus with Scar Guard™**
  Performance enhancing detergent specifically designed to clean densified and densified-polished concrete floors. Regular use helps decrease the visibility of minor scratches and blemishes and helps maintain the concrete sheen.

- **Large Volumes of Water**
  Water used while cleaning the concrete surface will actually accelerate the reaction between Ashford Formula and the concrete.

- **Oil Emulsifier & Acrylic Stripper: CreteStrip™**
  Use directly on stain for spot treatment.

- **Polypropylene or Stiff-Poly Brushes**
  Regular maintenance after sheen develops.

RECOMMENDED PRODUCTS

**DETERGENT:**

- 5 gal. (19 L) pails
- 55 gal. (208 L) drums

**OIL EMULSIFIER, & ACRYLIC STRIPPER:**

- Single dose pouch for mop and bucket
- Single dose bottle for auto scrubber
- 5 gal. (19 L) pails
- 55 gal. (208 L) drums

CASE STUDY: NORTH POINT TOYOTA

The use of truck soap had caused this floor to have a dull appearance. After a proper maintenance program was implemented, the natural sheen from the Ashford Formula was once again visible.

NORTH POINT TOYOTA
LITTLE ROCK, AR, USA
The TRUTH is...

How you treat your floor now, determines how your floor will treat you down the road.

LIFELONG, OPTIMAL PERFORMANCE

Cleaning your Ashford Formula floor is convenient, economical and will result in a floor that has a marble-like sheen that improves with age. With Ashford Formula, there is no surface film or coating present to peel, blister or require expensive replacement and repeated applications. The floor's performance, as well as the satin sheen that develops over time, is enhanced by proper cleaning and maintenance. Following a proper maintenance program as outlined here will ensure optimal floor performance for a lifetime.

EXPECTATIONS FROM A PROPERLY MAINTAINED FLOOR

IMMEDIATELY AFTER TREATMENT

► The hardening and dustproofing will take effect within the normal curing period on new concrete and within 24-48 hours on existing concrete. The floor will have a normal concrete appearance or a slight sheen (broom-finished or rough-textured concrete will retain its natural concrete appearance).

► The density and hardness of the floor will be immediately enhanced. However, care should be taken not to gouge the floor with nails, etc. after the initial placement.

► To accelerate the sheen, the floor can be burnished with a high speed propane burnisher and a black stripping pad at 1800 to 3000 RPMs, or cleaned daily using an auto-scrubber equipped with medium-aggressive nylon brushes. A spiff coat can also be done to enhance the initial sheen.

3-6 MONTHS AFTER TREATMENT

► If the standard maintenance program is followed, smooth-troweled floor surfaces will develop a sheen. 
  Note: A sheen will not develop on floors with an open, porous finish, or on floors with a broom finish.

► On steel-troweled floors, water typically begins to bead on the surface.

12 MONTHS AFTER TREATMENT

► A hard shell-finished surface will develop.

► Surface is resistant to oil penetration and moisture contamination.
See how our "One Complete System" of concrete floor products works together to enhance the performance of your concrete floors.

ONE COMPLETE SYSTEM
FOR ALL YOUR DENSIFIED
AND DENSIFIED-POLISHED
CONCRETE FLOORING NEEDS

ONE EXPERT SOURCE

QUALITY
A quality floor, paired with quality products, equals superior flooring results. Let our products take your floor to the next level.

PERFORMANCE
From start to “finish,” our One Complete System of concrete floor products outperforms the competition and will enhance your concrete floors’ performance durability, longevity and appearance.

VALUE
Your floors, done right, and done once, will save you time and money in the long term. Products that don’t perform, and which require repeat applications, hamper your business’ productivity and bottom line.

65+ YEARS OF LIVING PROOF THAT ABSOLUTELY CAN’T BE DISPUTED
Whether old or new concrete, our products will enhance your floor’s performance, ensuring its durability and longevity for a lifetime.

THE “ORIGINAL” CONCRETE DENSIFIER
Built in 1949, the Casa de Cadillac dealership in Sherman Oaks, CA, USA is one of the earliest documented floors treated with the Ashford Formula. This facility is on the California historical register. Still in use today, the concrete floor has provided more than six decades of continuous service and attests to the longevity and durability of the Ashford Formula.
THE DIFFERENCE

"GREEN" BY DESIGN FROM THE VERY BEGINNING

The Ashford Formula and the concept of concrete densification was “green” well before going “green” ever became a movement. The permanent effects of this unique combination will save significant time, money and energy in the long term.

The Ashford Formula’s green qualities make it an exceptional choice for today’s sustainable and green building initiatives. It has been widely specified for use on projects that have garnered LEED Certified, LEED Silver, LEED Gold and LEED Platinum status.

SUSTAINABILITY BENEFITS

1. Energy Cost Savings
2. Reduce Life Cycle Impacts
3. No Off-Gassing
4. Improved Thermal Comfort
5. Increased Daylighting; Light Reflection

As if 65+ years isn’t proof enough of the Ashford Formula’s enduring performance, Curecrete Distribution, Inc. offers a standard 20-Year Product Performance Warranty on Ashford Formula floors, as well as a Lifetime* Product Performance Warranty - the longest warranty offered in the industry - when maintained with CreteClean Plus with Scar Guard™.

*Qualifying conditions apply.
Curecrete Distribution, Inc. has been providing leadership in the concrete densification industry for more than 65 years. Curecrete continues to lead with an unwaivering commitment to superior products, best practices and industry expertise.

CURECRETE DISTRIBUTION, INC.

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                  www.ashfordformula.com/reps

A SOLID FOUNDATION, FROM THE GROUND UP
Because your business productivity requires a solid, DENSIFIED concrete floor.