

EDUCATIONAL FACILITIES

Creating Stronger, Longer-Lasting Floors for Learning Environments

OVERVIEW

For educational facilities seeking long-term flooring value, safety, and sustainability, the **Ashford Formula™** and **RetroPlate System®** offers a permanent solution. By densifying concrete at the molecular level, it creates a clean, strong, and cost-effective surface that lasts the life of the building—helping schools focus less on maintenance and more on what matters most: education.

Why It Matters

From preschoolers shuffling in with tiny shoes to college students sprinting to lectures, every learner puts your floors to the test. Spills, weather, rolling backpacks, constant foot traffic – school concrete takes more abuse than almost any other environment. And when floors dust, stain, or wear out, maintenance teams feel the strain.

That's why thousands of facilities trust the Ashford Formula and the RetroPlate System. Both deliver long-lasting densification; Ashford maintains the concrete's natural appearance with a sheen that develops over time, while RetroPlate offers a customizable polished finish.

Benefits for Educational Facilities

Long-Term Cost Savings

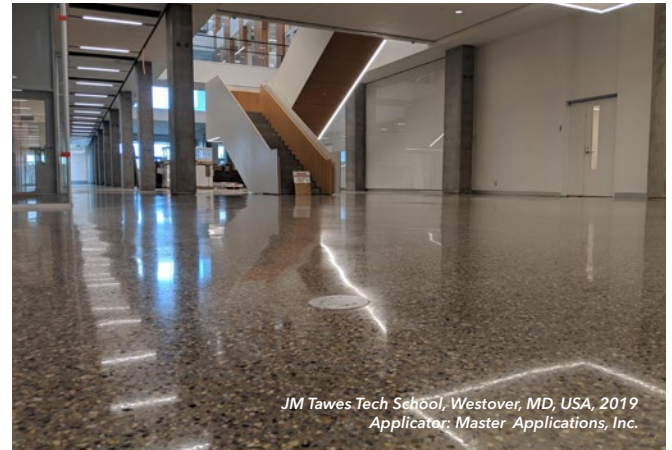
- A one-time treatment—no reapplication needed.
- Reduces maintenance budgets over decades.
- Compatible with standard janitorial cleaning methods.

Cleaner, Healthier Environments

- Dustproofs concrete, eliminating airborne concrete dust that can affect indoor air quality.
- Supports cleaner classrooms, corridors, and cafeterias.

Durability Under Heavy Use

- Resists wear from foot traffic, rolling furniture, and custodial equipment.
- Prevents surface deterioration and concrete dusting, even in high-traffic zones like gyms and hallways.



JM Tawes Tech School, Westover, MD, USA, 2019
Applicator: Master Applications, Inc.

Sustainable & LEED-Friendly

- VOC-free and environmentally safe.
- Enhances concrete's natural durability—no need for coatings or floor coverings that must be replaced.
- Contributes to LEED points through improved life-cycle performance.
- **EPD** available for transparent, third-party verified environmental impact data.

Aesthetic & Functional Value

- Produces a clean, natural satin sheen that improves over time with use and cleaning.
- Complements modern, minimalist architectural designs common in today's educational spaces.

PROJECT HIGHLIGHT

Name: **J.M. Tawes Tech School**
Applicator: **Master Applications, Inc.**
Location: **Westover, Maryland, USA**
Completed: **2019**

As a vocational campus with welding labs, automotive bays, culinary spaces, and heavy-use classrooms, J.M. Tawes Tech School needed floors that could stand up to real-world training. Heavy equipment, rolling carts, chemical exposure, and constant foot traffic meant the school required surfaces that were durable, clean, safe, and easy to maintain.

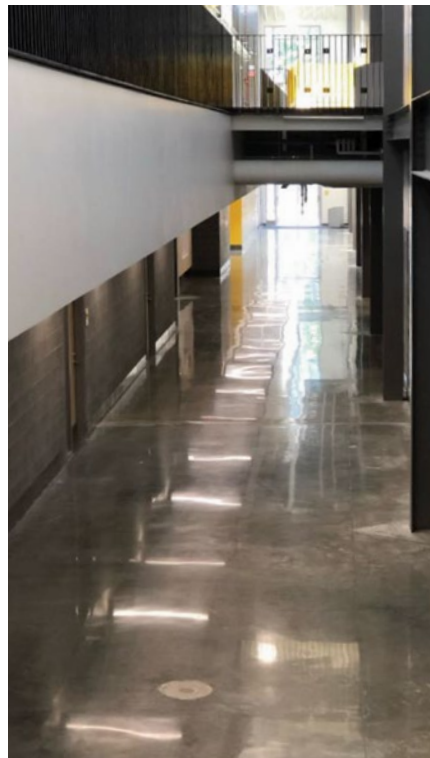
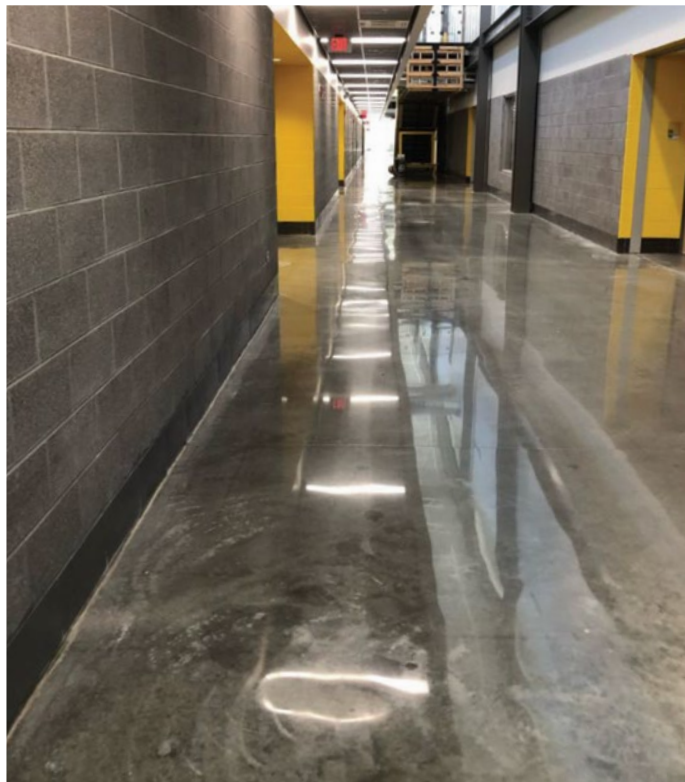
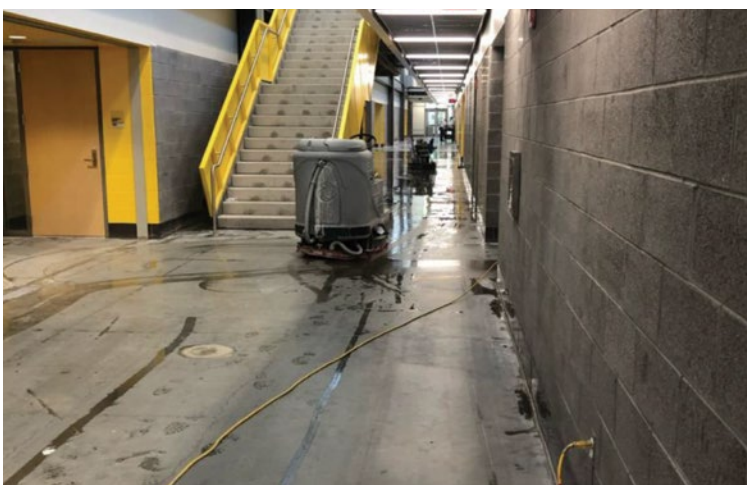
Robert Holmes and Master Applications, Inc. were initially given a densified concrete specification with the owner hoping for a polished look similar to Home Depot. Even though the slab hadn't been poured with polishing in mind, the school was open to seeing what was possible.

To guide the decision, Master Applications, Inc. presented three mock-ups: a densified floor following the specification, a burnished option using a competing product with Curecrete chemicals, and a fully polished RetroPlate floor.

PROJECT HIGHLIGHT (Cont.)

Once awarded the project—with less than two months before the new school year—Master Applications, Inc. delivered: 50,000 ft² (4,645 m²) of Ashford Formula densification in technical classrooms and 45,000 ft² (4,180 m²) of RetroPlate polished to 800 grit, plus RetroPel and RetroGuard in classrooms, corridors, and teacher areas.

The result: a resilient, low-maintenance flooring system built to support students as they learn the trades and prepare for real-world careers.



PROJECT HIGHLIGHT

Name: **University of Brunei - Institute of Health Science Building**

Applicator: **BUE Construction**

Location: **Tungku Link, Brunei**

Completed: **2013**

The Institute of Health Science Building at the University of Brunei was designed with a strong commitment to sustainability and environmentally responsible construction. Project architect Arkitek Idris aimed to achieve LEED Platinum Certification, leading the team to carefully select materials and systems that would contribute to the building's overall LEED performance.

To meet these goals, the Ashford Formula and the RetroPlate System were chosen for use throughout the interior and exterior concrete floors. BUE Construction carried out the application of both systems across classrooms, corridors, roof decks, and the central atrium—delivering a durable, visually striking finish that aligned beautifully with the project's green-building vision.



PROJECT LIST (Partial)

Cooper Union College

New York, NY, USA
225,000 ft² (20,900 m²)

Universal Technical Institute

Avondale, AZ, USA
200,000 ft² (18,580 m²)

University of Wisconsin - School of Veterinary Medicine

Madison, WI, USA
150,000 ft² (13,900 m²)

San Jacinto College - Automotive Training Facility

LaPorte, TX, USA
142,000 ft² (13,190 m²)

ABC Tech and Shop

Nashville, TN, USA
140,000 ft² (13,000 m²)

Oxford High School

Oxford, MS, USA
110,000 ft² (10,200 m²)

Metropolitan Community College

Omaha, NE, USA
100,000 ft² (9,290 m²)

Austin Independent School District

Austin, TX, USA
95,500 ft² (8,870 m²)

Norfolk High School - Agriculture Lab Building

Walpole, MA, USA
80,000 ft² (7,430 m²)

Humber College - Lakeshore Campus

Toronto, ON, Canada
75,000 ft² (7,000 m²)

Whitefish High School

Whitefish, MT, USA
67,000 ft² (6,220 m²)

Brookland Public School District

Brookland, AR, USA
67,000 ft² (6,220 m²)

Victory Middle School

Meridian, ID, USA
65,000 ft² (6,040 m²)

Mesa Community College

Mesa, AZ, USA
60,000 ft² (5,570 m²)

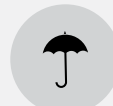
Clinton Middle School

Clinton, IA, USA
60,000 ft² (5,570 m²)

ASHFORD FORMULA™



THE ORIGINAL CONCRETE DENSIFIER



DENSIFIES



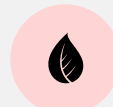
DUSTPROOFS



GLOSSY SHEEN



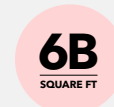
EASY TO CLEAN



SUSTAINABLE



PROVEN



FLOORS TREATED

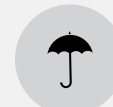


WARRANTY

RETRO PLATE®



THE ORIGINAL CONCRETE POLISHING SYSTEM



DENSIFIES



DUSTPROOFS



POLISHED SHEEN



EASY TO CLEAN



SUSTAINABLE



PROVEN



FLOORS TREATED



WARRANTY

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