DESIGNING EDUCATION SPACES TO ELEVATE LEARNING POTENTIAL
Patcraft is the leader in high-performance flooring solutions for the educational environment. We see flooring as the foundation on which students, teachers and faculty learn, teach, work, share and explore. We approach every flooring decision from a student’s perspective, because flooring matters.
Education environments are being redesigned to support a new type of learning. It is no longer enough to create a comfortable, secure and accessible environment. You also have to consider how the design will impact everything from student and teacher interaction and performance to technology infused learning to energy consumption and operational costs.
21ST CENTURY LEARNING ENVIRONMENTS ARE ENVISIONED AS PLACES WHERE THE LEARNER IS ENGAGED IN SELF-DIRECTED AND CO-OPERATIVE LEARNING ACTIVITIES, AND THE PHYSICAL ENVIRONMENT IS PLANNED SO THAT IT CAN BE ROUTINELY RE-ORGANIZED TO MEDIATE LEARNING.

"Learning for the 21st Century: A report and guide for 21st century skills"
CREATING SPACES
THAT ENHANCE
LEARNING EXPERIENCES

Well designed schools can improve learning by 25%*
FLOORING PLAYS A PIVOTAL ROLE IN THE EDUCATIONAL EXPERIENCE AND HOW STUDENTS RELATE TO THE ENVIRONMENT AND PEOPLE AROUND THEM.

In an effort to support students and improve learning retention, instruction models are changing to include more collaborative and interactive learning. While this interaction may aid in learning, it's often disruptive to the traditional space layout. Carpet and resilient flooring can help designate common areas for collaboration and help define traffic pathways.

Carpet can also help with sound absorption so students who are working on individual tasks are not disrupted by larger group activities. With a growing shift in instruction models to include more interactive learning, creating flexible environments is becoming an increasingly important requirement.


*Building and Environment.*
Libraries continue to evolve with each passing generation to improve student experiences and learning. Traditional libraries are becoming interactive learning centers housing print and digital information that is easily accessible for learners. The Media Centers are being redesigned to include comfortable, flexible spaces to accommodate individual and collaborative group learning outside the classroom.
THE DYNAMIC PATTERNS OFFERED BY PATCRAFT ARE A GREAT COMPLIMENT TO THIS TRANSFORMATIVE LEARNING ENVIRONMENT. VISUALLY STIMULATING SPACES HAVE BEEN SHOWN TO ENHANCE CREATIVITY AND THE CARPET DESIGN SUPPORTED OUR GOALS FOR RIDGEVIEW ELEMENTARY SCHOOL.

Chad Davis, AIA NCARB LEED AP BD+C Senior Associate / Director of Design
PERFORMANCE & PRODUCT SELECTION

There’s a lot to consider when evaluating the foundation of a learning environment. Several factors influence flooring’s performance and appearance retention. The right combination of flooring products and solutions are key to providing an environment that supports the wide array of activities that take place within a school.

Patcraft offers a variety of products to meet the design and performance needs for the broad spectrum of school environments today. New build or retrofit, we have flexible, durable flooring solutions that work together to help create unique destinations and learning spaces for students.

COMFORT

With the shift to an interactive learning model, students are no longer confined to their desks. Individual reading time, small group activities and learning stations are relocating students and extending the learning environment to the floor. Carpet and resilient can add warmth, comfort and appeal to classrooms, media centers, offices and collaborative learning spaces and encourage movement and comfort outside of a desk or table.

SOUND ABSORPTION

Softer surfaces, including carpet, can also help absorb sounds and lessen the distractions in shared common areas. All Patcraft products meet ANSI standards for acoustical design of schools.

On average 45% of a student’s day involves listening.*
TRANSITION & WAYFINDING

Spaces have to be more flexible in order to accommodate the many activities that take place in a learning area. Modular carpet and resilient working alone and together can help define traffic pathways and suggest smaller spaces within a larger structure.

GLARE REDUCTION

Natural light is being incorporated into new education space design and can cause glare issues for students. Modular carpet and matte finish resilient products can help diffuse glare caused by natural light and reflections from technology use.

* Acoustical Performance Criteria, Design Requirements and Guidelines for School
MAINTENANCE CAN MAKE OR BREAK FLOORING PERFORMANCE AND LONG-TERM APPEARANCE.

Patcraft designs flooring for high demand environments by incorporating moisture impermeable backing options and stain resistant fibers. Solutions such as walk-off carpet tile in entryways can trap typical dirt, debris and sand to further protect your flooring.

Resilient products are engineered to resist ground-in dirt and particles. Surfaces are easily cleaned with conventional methods such as sweeping and mopping with a pH neutral cleaner and are buff and wax optional.

Patcraft offers a unique maintenance and cleaning program to help extend the life and look of flooring in schools.

MAC is a free online maintenance and cleaning tool that provides training for facility managers to help them develop a maintenance plan to best care for their flooring.
Our heavy duty Beyond The Door product features a high performance 300 dpf EcoSolution Q nylon to help remove dirt, sand and moisture without looking like walk-off tile.
Factors such as moisture and volatile organic compounds or VOCs can impact student health and contribute to poor indoor air quality. By selecting flooring with built in moisture barriers you can limit moisture levels and the potential growth of biological contaminants.

According to the Carpet and Rug Institute, clean, dry, well-maintained carpet actually improves air quality since the carpet acts as a trap keeping dust and allergens out of the air. When it comes to other flooring options, such as resilient, look for the FloorScore Certification to ensure compliance with air quality emission requirements. All of Patcraft’s resilient flooring is FloorScore certified and most contain up to 30% recycled content.

ECOWORX® PERFORMANCE BROADLOOM provides a powerful moisture barrier that helps protect subfloors from liquid contaminates and potential growth of biological contaminants such as mold, mildew and bacteria.
Recycling 100 million pounds of carpet annually through Recycling Portfolio

As part of Shaw Industries, Patcraft has a strong commitment to environmental leadership. As such, we use Cradle to Cradle principles and carefully work to minimize our impact, including reducing greenhouse gas emissions, optimizing water and energy efficiency, using environmentally preferable ingredients and designing to meet LEED certification and point contribution.

As part of the world’s largest recycler of post-consumer carpet in the world, we reclaim carpet and make it useful once again. More than 700 million pounds of post-consumer carpet has been diverted from the landfill since we began these efforts in 2006. The recycled carpet is transformed into new carpet, fiber, backing and other products, including steam energy to help run our facilities.
HOW CAN YOU PROTECT THE SCHOOL’S FLOORING INVESTMENT?

Several factors influence flooring’s performance and appearance retention including construction, installation and maintenance. The right combination of flooring products and solutions are key to protecting your investment for the long-term.
CONSTRUCTION

The ingredients that go into a flooring’s construction matter to the overall strength, durability, appearance, maintenance, safety, comfort and moisture management.

Construction also plays a large role in creating sustainable products. We are constantly looking at ways to transform used carpet back into a useful product. Many of our fibers and backings are fully recyclable and meet Cradle to Cradle standards.

Solution Q Extreme® fibers are constructed to repel stains to help protect your surfaces from spills, stains and mishaps. Carpet constructed with Solution Q Extreme can be cleaned using just water, helping lessen the need for harsh chemicals. The fibers are impermeable to moisture, greatly reducing stains and offer lifetime warranties against abrasive wear, static protection, stain resistance, colorfastness to light and colorfastness to atmospheric contaminants.

EcoSolution Q® fibers are made of long-lasting, colorfast nylon 6 that withstands wear and helps retain appearance. Made of pre and post-consumer content. Eco Solution Q is an industry leader in DPF or denier per filament, which means that the filament holds up better to wear from walking, rolling traffic and other stresses. It also leads in tensile strength, which measures the force a fiber can withstand before breaking.

EcoWorx® Tile is the industry’s first sustainable, non-PVC tile backing. This high-performance tile backing offers limited lifetime warranties against extreme wear, static, zipperng, ravel and delamination.

EcoWorx® Performance Broadloom adds a powerful moisture barrier that helps protect subfloors from liquid contaminates and passes the 10,000 impact test.

ExoGuard Quartz® finish for resilient offers an easy non-wax option and high-performance construction that enhances its strength, pressure and indentation retention. Our resilient products are manufactured to provide maximum comfort and control while reducing moisture and noise levels.
INSTALLATION & MAINTENANCE

Proper installation and maintenance are key factors when considering sustainable, high-performance flooring that will maintain its appearance under high usage and traffic.

LokDots® is an odorless adhesive designed for the installation of carpet tile in occupied spaces. It’s ideal for high moisture areas and raised access flooring. Installation with LokDots allows for little set up and downtime and can improve project turn-times.

Resilient Spray Adhesive S-150 for sheet, plank and tile offers a solvent-free, water-based adhesive option for occupied spaces that’s low in odor and free from calculated VOCs.

MAC is a free online Maintenance and Cleaning tool that provides training for end-users and facility managers to help them develop a maintenance plan to best care for their flooring.

Resilient products are engineered to resist ground-in dirt and particles. Surfaces are easily cleaned with conventional methods such as sweeping and mopping with a pH neutral cleaner and are buff and polish optional.

PROJECT SUPPORT & WARRANTIES

Our carpets are covered by a lifetime commercial warranty against staining, edge ravel, zipper and delamination.

Resilient products are backed by performance warranties including 10 year under bed warranties on most products when installed using Shaw S150 or 4100 adhesive.

Patcraft’s Custom Design team can help create or modify a design to complement your space, school colors and design aesthetic.

Customer Connect offers professional, prompt and accurate service through every phase of your project including specifications, installation, order monitoring and tracking, shipping, expediting and maintenance.
Through innovative performance-based design, Patcraft creates carpet and resilient products that enhance interiors, improve experiences and increase product life cycles because when it comes to learning... *flooring matters.*