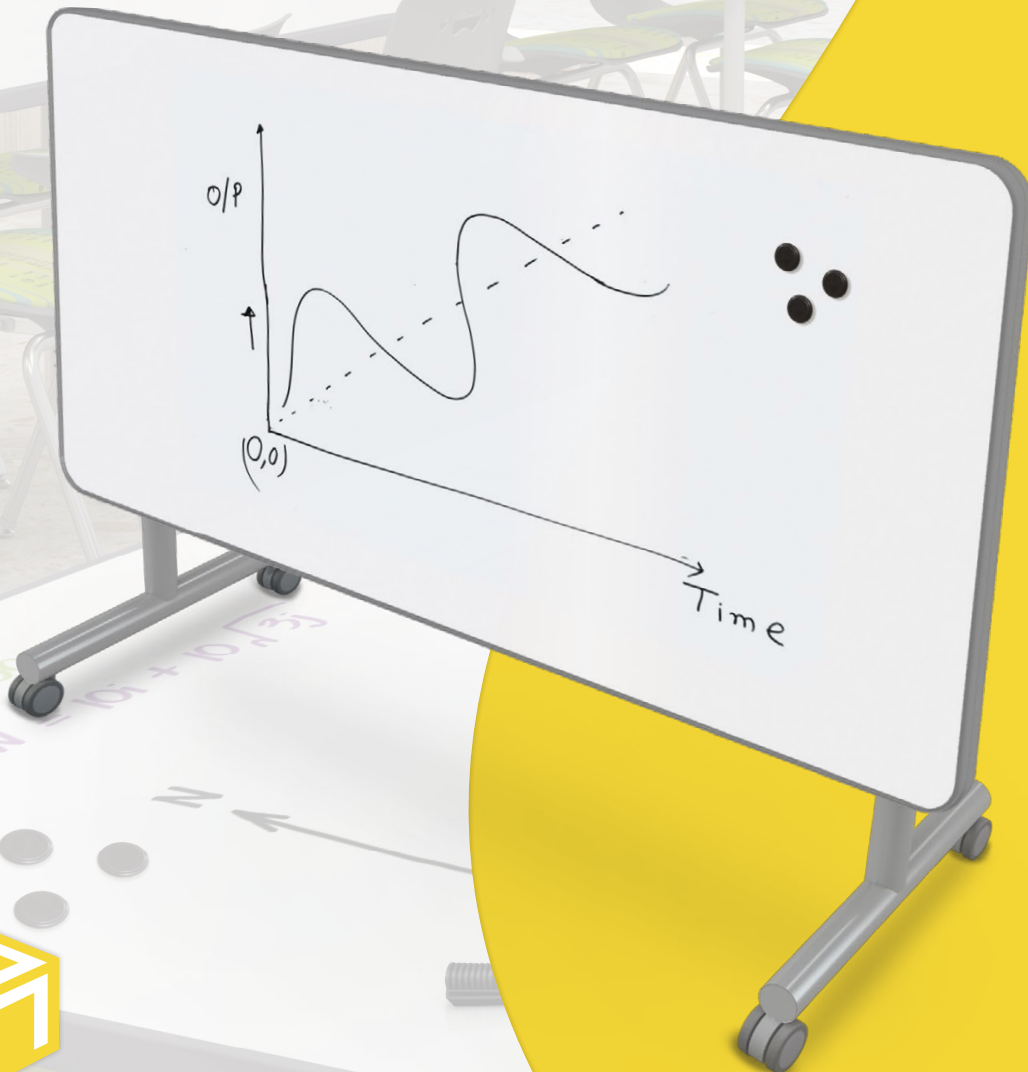




porcelaTM

Porcelain Steel Work Surface

Made to Last. Made to Matter.



MOORECO[®]



moorecoinc.com/porcela



MOORECO

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Check out our video to see how Porcela™ stacks up against standard laminate



A Surface Ahead of Its Time:

How MooreCo's belief in writable spaces shaped the future of learning



In the beginning...

For more than 70 years, MooreCo has believed that surfaces shape behavior. Since our earliest days designing visual communication products, we've asked a simple but powerful question: How can a surface help people think more clearly, learn more deeply, and work more effectively?

In 1998, MooreCo founder Lorraine Moore introduced the **Remarkable Table**, the first dry erase desk designed specifically for students to write on. As a parent of a neurodivergent child, Lorraine understood something that research would later confirm: when learners are given space to write, draw, erase, and try again, ideas take shape more naturally, retention improves, and communication becomes clearer. A writable surface invites experimentation, reduces fear of mistakes, and supports many different ways of thinking.

At the time, the idea was radical. Educators were uneasy—even appalled—by the notion of students

writing on furniture. The Remarkable Table arrived before the world was ready for it.

And today...

Fast forward to today's learning environments, where dry erase desks and tables are no longer novel, they're essential. But many of the surfaces now in use rely on low-quality laminates that quickly show their limits. Ghosting appears within a year. Glare and reflection strain already overworked eyes. Scratches, dents, and staining become permanent distractions.

At MooreCo, we knew we could do better.

That belief led to Porcela™, a porcelain steel work surface engineered to support learning, well-being, and longevity at a completely different level. By permanently fusing a glass-like porcelain enamel to steel, Porcela creates a smooth, nonporous, writable and magnetic dry erase surface that erases cleanly, resists wear, reduces glare, and stands up to years of daily use without degrading. It's harder, cleaner, clearer, and significantly longer-lasting than traditional laminate, and better for the environments it's used in.

Porcela is more than a material choice; it's an extension of MooreCo's **Thrive Philosophy**. Learning doesn't happen one way, and furniture shouldn't either. Through years of research, engineering, and collaboration with experts in neuroscience, psychology, ethics, social-emotional development, and physical development, we've designed Porcela into a full suite of desks, tables, and seating solutions. Each one supports different learning styles, encourages engagement, and gives students the freedom to think, write, and learn in ways that work best for them.

It took time for the world to catch up to Lorraine's original idea. With Porcela, it finally has.

THRIVE
BY MOORECO

Learn more about our holistic Thrive Philosophy of design here:



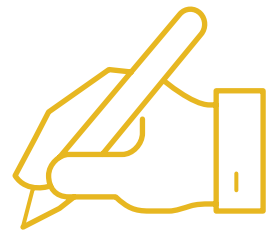
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Designed to work in Any Space:

Six core benefits that make Porcela™ a smarter, longer-lasting surface for learning, working, and collaboration.



Writable & Magnetic Performance



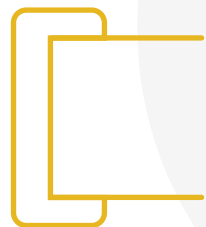
Porcela is a fully writable and magnetic dry erase surface, allowing users to write, sketch, plan, teach, and display materials directly on the work surface. From visual thinking and hands-on learning to collaborative problem-solving, Porcela turns the surface itself into an **interactive tool that encourages engagement**, creativity, and flexibility, supporting how people actually think, learn, and work.

Durability & Wear Resistance



A glass-like porcelain enamel is permanently fused to steel at high temperatures, creating a surface that is significantly harder and more wear resistant than laminate. Porcela is up to 2.5 times harder and **more scratch resistant than HPL**, standing up to chair stacking, impacts, and constant daily use without denting or damage, meaning fewer replacements, fewer disruptions, and long-term confidence in high-use environments.

Structural Integrity & Edge Protection



Steel on both sides of the Porcela work surface provides balanced lamination, superior weight, and resistance to warping or damage. An injected molded edge band fully seals the surface, **protecting against moisture, debris, and exposed edges**. Porcela is engineered for improved durability, safety, and long-term performance—especially in demanding and high-use environments.



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Cleanability, Safety & Hygiene



Porcela resists stains, moisture, microbes, and bacteria, cleaning easily like glass with no residue or ghosting. The surface withstands repeated disinfecting (including bleach) without discoloration, degradation, or delamination. Class A Fire Rated for added safety, Porcela **supports healthier environments with less maintenance** and proven greater reliability over time.

Visual Clarity & Well-Being



Porcela reduces ambient reflection and glare while delivering superior marker contrast and clarity with no ghosting—ever. Unlike laminate surfaces that degrade under marker solvents, Porcela **erases cleanly again and again** without staining or visual distortion. The surface reduces eye strain, supports focus, and improves visual comfort in spaces impacted by screens and artificial lighting.

Sustainability & Long-Term Value



With a 50 year guarantee and dramatically longer life than laminate, Porcela reduces replacement cycles and material waste. Made from steel and porcelain—both highly recyclable—Porcela requires fewer cleaning chemicals and **delivers a lower total carbon footprint** over time. This makes Porcela a smarter environmental choice that lowers total cost of ownership through durability, not disposability.

Learning Benefits: Diversity in Mind

The **Thrive Philosophy** starts with a simple truth: learning isn't one-size-fits-all. Today's classrooms demand flexibility—spaces that adapt to the way students think, move, and engage. Guided by research and shaped by real classroom insight, we engineer products that honor individual learning styles and evolve alongside them. Flexible environments unlock better teaching and deeper learning, and by extending the **Porcela™ work surface** across a range of furniture solutions, we ensure its performance and durability are within reach for every learner, in every space.



Hierarchy Beam Desk



Hierarchy Creator Table

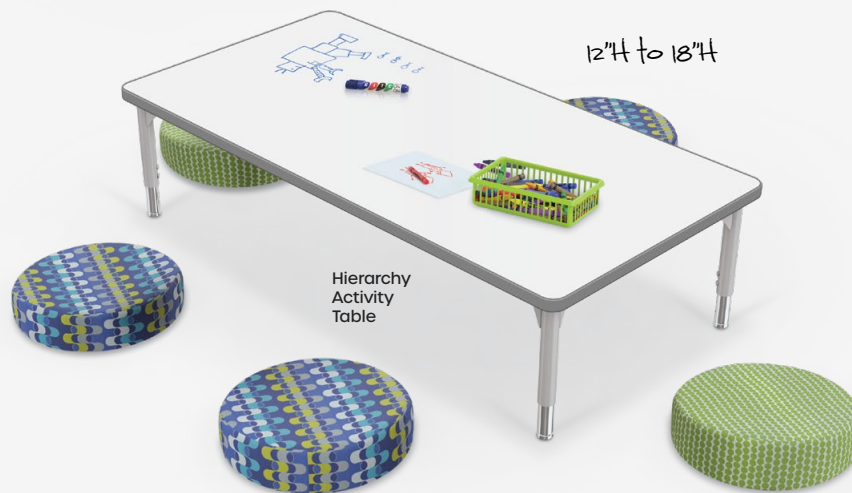
27" to 42" H

Stand Up Desks + Tables:

Standing height workstations are proven to regulate circulation, allowing blood flow to reach the brain faster which **helps with focus**. Stand up desks are also useful for students who fidget or are hypersensitive to environmental stimuli.

Youth Height Desks + Tables:

Shorter workstations are ideal for younger users, accommodating smaller, more age-appropriate ergonomic chairs. They are also designed for use while kneeling or sitting on the floor or on a cushion. The use of magnets with young students improves fine motor skills, **sharpens hand-eye coordination**, promotes problem-solving and critical thinking, and helps students stay calm and focused.



Hierarchy Activity Table

12" to 18" H

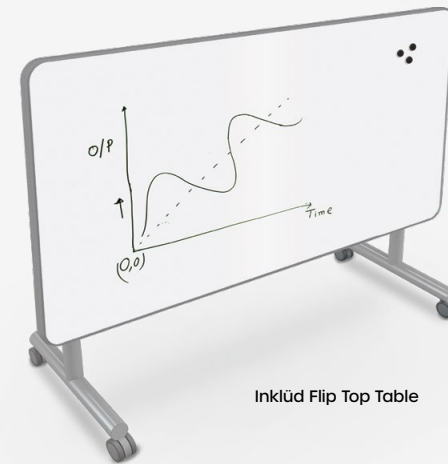
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Hierarchy Shapes Desk

Logical + Mathematical Learners:

Mathematical learners categorize, organize, and recognize patterns. It is imperative for these learners to visualize their work.



Inklud Flip Top Table

Linguistic + Verbal Learners:

Verbal learners respond to sound and like to repeat what they learn. Writing down notes helps them retain and process information.



Akt Table

Intrapersonal Learners:

Intrapersonal or solitary learners prefer to work independently. They are self-motivated, but many times need a little push to join group activities. A shared space to collaborate without pressure can help bring them out of their shells.



Visual Learners:

Visual learners respond to visual cues and like to take notes, doodle, and write down thoughts.



Enroll® Tablet Chair



Compass Makerspace Table

Social Learners:

Social learners thrive on peer-to-peer connectivity and collaborative activities. They are empathic of others and favor hands-on activities such as robotics and maker spaces.

How does Porcela™ Improve Your Learning Environments?



Better Visual Acuity: Less eye strain for students

Porcela™ reduces ambient reflection and glare over standard whiteboard surfaces, providing a **more comfortable visual experience** than other writing surfaces. It's also engineered for superior color contrast with markers, and reduces light distortion to relieve eye strain from already-compromised eyesight due to sub-optimal lighting and excessive screen time.



Better Erasability: Avoids staining and lasts longer

Porcela tabletops allow dry erase markers to fully erase, **never staining, ghosting, or graying**. Porcelain steel erases three times better than a new laminate surface, and six times better than a used HPL surface, never leaving residue or stains. How? The solvent used to make dry erase markers erasable wears down the top layer of HPL surfaces over time, which means staining is almost guaranteed within one to three years. Porcela porcelain steel desks, tables, and tablets have a 50 year guarantee against staining and ghosting.



Cleaner + Safer: Microbe and dust resistant

Porcela work surfaces are engineered to provide safe and clean use for years. Porcelain is **naturally microbe and bacteria resistant** and helps reduce the spread of germs in educational and work spaces. The edge band fully encapsulates the tabletop, protecting against sharp edges and rust, and preventing debris, residue, and dust accumulation.



Chemical + Heat Resistant

Porcela is also resistant to harsh chemicals, is Class A Fire Rated, and does not release harmful fumes if heated. The repeated use of chemical cleaners—including bleach—**will not damage the surface** or cause delamination. Students can use harsh materials on projects without damaging the table, making porcelain steel ideal for maker spaces, art rooms, and science labs.



Accepts Magnets

Porcela work surfaces accept magnets, allowing for **fun and interactive** hands-on learning with magnets and magnetic manipulatives for teachers and students.

Facing the Challenge & Engineering the Breakthrough

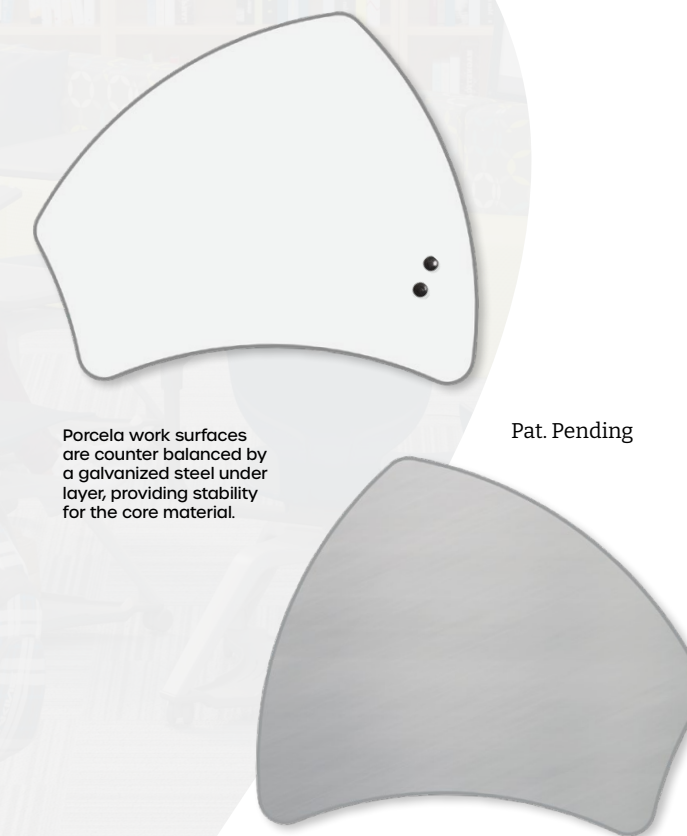
True durability doesn't happen by accident. It's the result of relentless research, rigorous testing, and the willingness to push beyond industry norms. Porcela™ work surfaces are the product of **extensive R&D**, engineered to deliver a solution unlike anything else in the classroom.

Manufactured from porcelain steel—essentially glass fused to steel under extreme heat—Porcela™ is built for decades of performance. Fired at 1,400°F, the surface becomes exceptionally hard and resilient. In-house testing shows it is **2.5 times harder** and twice as scratch resistant as standard HPL, easily standing up to everyday impacts from keys, zippers, backpacks, and cases without denting, dinging, or degrading.

Porcelain steel delivers **5.5 times the wear resistance** of conventional materials, resisting chemical treatments, heavy-duty cleaning, moisture, and water intrusion—the primary causes of delamination in traditional surfaces. Where HPL relies on a gloss resin that breaks down under dry erase solvents, leading to ghosting and staining, Porcela™ **maintains its integrity** year after year.

Durability is engineered all the way through. In addition to its steel surface, Porcela™ features a **galvanized steel underside**, creating balanced lamination that dramatically improves strength, stability, and longevity. The scratch-resistant surface even allows chairs to be stacked directly on top for janitorial cleaning—without damage.

The result is performance that **redefines expectations**: a 50-year guarantee compared to just one year for typical HPL dry erase surfaces. Porcela™ doesn't just meet the challenge—it outlasts it.



Porcela work surfaces are counter balanced by a galvanized steel under layer, providing stability for the core material.

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New Edge Band Technology

We reimagined edge banding from the inside out. Exclusively engineered for our porcelain steel tops, this injection-molded edge isn't glued on or tucked into a T-band—it's **permanently bonded**. During the injection process, the material penetrates the MDF core, fully encapsulating the edge for a seamless, sealed finish. The result? No peeling. No sharp edges. No weak points. Ever.

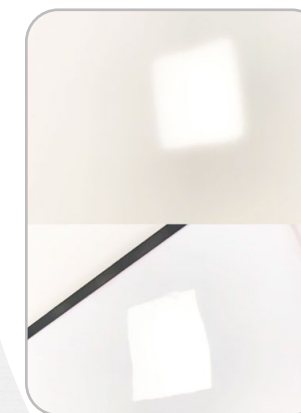
This protective barrier also shields the metal from moisture, eliminating the risk of rust and extending the life of the surface. It's a level of **durability and craftsmanship** unmatched in the K-12 furniture industry, because the details that go unseen matter most in the spaces where learning happens every day.



Edge band material penetrates the substrate to provide a completely sealed edge.



In-house Taber testing shows porcelain steel has superior resistance to abrasion.



Reduced glare on porcelain steel (top) versus standard whiteboard HPL (bottom).



Porcelain steel stands up to weight and pressure testing. Truck weight: 3000 lbs.

Safety & Certifications



Environmentally Responsible by Design

- Sustainability isn't an add-on—it's engineered in. **Porcela™** is 99% recyclable and Cradle to Cradle Certified Bronze®, and every MooreCo product meets SCS Indoor Advantage Gold standards for healthier indoor environments. Design and engineering is patent pending.
- Where traditional HPL dry erase tabletops wear out in just one to three years, Porcela™ is **guaranteed for 50**. That longevity changes everything. Fewer replacements mean fewer raw materials consumed, less energy used in manufacturing, and reduced reliance on noxious adhesives and glues. It also means less furniture headed to the landfill—and a stronger culture of sustainability in schools and facilities.
- The environmental impact comes with clear financial advantages, too. Porcela™ is a one-time investment with an **increased life expectancy of up to 1,700%**, while costing less than 15% more than standard HPL. Longer product life reduces turnover, lowers long-term costs, and delivers exceptional value over time.
- We carry that responsibility through every step of production. All cartons are made from recycled materials, and Porcela™ is offered in a range of standard shapes, sizes, and furniture solutions to maximize porcelain steel yield and minimize scrap and waste. Thoughtful design. **Measurable impact.** Built to last.



Designed for Physical Safety and Well-Being

- Safety starts at the surface. **Porcela™ work surfaces** feature a fully encapsulated, injection-molded edge band that eliminates exposed porcelain steel while creating a smooth, rounded profile. No sharp edges. No moisture intrusion. Just durable protection you can trust.
- Visual comfort matters, too. The high-contrast writing surface **improves legibility**, while reduced glare helps minimize eye strain—especially important in classrooms already challenged by excessive screen time and inconsistent lighting.
- Unlike traditional laminate surfaces that can harbor marker residue, dust, and bacteria such as Staphylococcus and Streptococcus, Porcela™ is inherently **resistant to microbes** and bacteria. Its non-porous surface supports healthier learning environments and helps reduce the spread of viruses.
- Porcela™ stands up to **rigorous cleaning protocols**—including bleach and hospital-grade disinfectants used for COVID-19, Rotavirus, and Influenza—without warping, delaminating, or degrading. The Class A Fire Rated surface resists harsh chemicals and will not release harmful fumes if exposed to heat.
- From edge to surface, Porcela™ is engineered for **peace of mind**—delivering durability, hygiene, and safety in the places where students learn and teachers lead every day.

Porcela™ vs The Competition:

	Porcela™ Work Surface	HPL Whiteboard Table Top	Hard Plastic Table Top
Exclusively available from MooreCo	✓	✗	✗
50-year warranty	✓	✗	✗
Accepts magnets	✓	✗	✗
Encapsulated edge band	✓	✗	✗
Resists delamination	✓	✗	✗
Reduces ambient glare	✓	✗	✗
Surface warranty	50 year	1 year (typical)	2 year (typical)
Microbe resistance	★★★★★	★★★★	★★★★
Chemical resistance	★★★★★	★★★★	★★★★
Scratch and dent resistance	★★★★★	★★	★★★★
Wear resistance	★★★★★	★	★★★
Erasability	★★★★★	★	non-writable surface
Surface hardness	★★★★★	★	★★

All information is based on product specifications at the time of creation and is subject to change.



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Standard offering



Hierarchy Beam Desk



Hierarchy Creator Rectangle Desk



Hierarchy Rectangle Desk (26 x 20)



Hierarchy Shapes Desk (Standard)



Hierarchy Activity Kidney Table



Hierarchy Activity Rectangle Table (60 x 30)



Hierarchy Creator Rectangle Table



Explore all of our Porcela™ tables and desks!

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Custom offering



Akt Rectangle Table (60 x 30)



Inklüd Fixed Height Table (60 x 30)

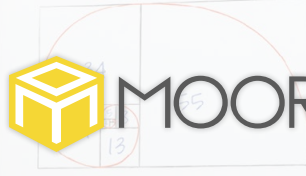


Compass Makerspace Table (60 x 30)



Inklüd Flip Top Table (60 x 30)

The Fibonacci Sequence or "Golden Ratio"



The quantities are in the golden ratio if the ratio between the sum of these quantities and the larger one is the same as the ratio between the larger one and the smaller



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