

# Education



# CeramicSteel Surfaces

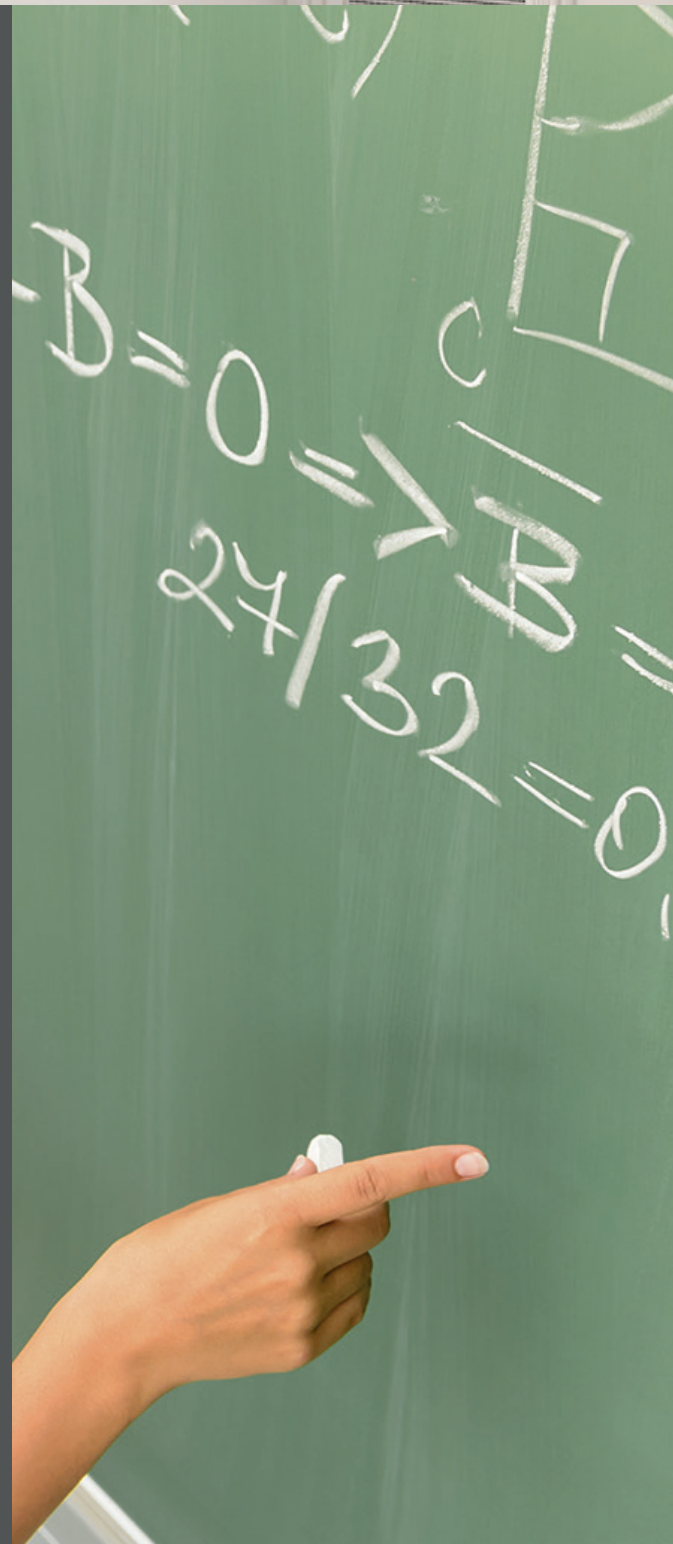
Durability, Functionality,  
and Safety for all surfaces.

**For more than 70 years,  
Polyvision has been  
manufacturing CeramicSteel  
surfaces that endure even  
the harshest environments**

Formerly known as Alliance, the company traces its roots back to 1954, when it began manufacturing enameled steel for whiteboards, chalkboards, and architecture.

Throughout history, we have prioritized innovation and utilized advanced manufacturing technologies and material science to create the longest-lasting and most eco-friendly CeramicSteel surface available anywhere.

At Polyvision, we believe in the power of collaboration. We partner with renowned visionaries, researchers, and designers worldwide. This global network allows us to continue our tradition of producing innovative products, ensuring that architects and building professionals everywhere have access to the best solutions.





# Features and Benefits

Features that last a lifetime.

- Smooth, inert surface
- Made from inorganic materials
- Magnetic
- Colorfast, will never fade
- Resistant to bacteria, vandal, fire, scratches, stains, and chemicals
- Easy to clean
- Releases zero VOCs



# Learning Environments with Polyvision CeramicSteel

We are proud to introduce CeramicSteel surfaces, specifically designed to meet the stringent demands of educational settings.

In today's ever-changing educational landscape, student engagement and safety are paramount. At Polyvision, we are taking the lead in designing CeramicSteel surfaces for the future of learning. As educational practices shift towards more interactive and collaborative methods, the physical environment in which learning occurs must adapt to support these innovative approaches.



Polyvision's CeramicSteel surfaces are a game-changer for educational spaces. They offer a unique combination of durability and an environment that fosters creativity and interaction. These surfaces are specifically designed to support modern educational methods emphasizing active and engaged learning. They provide a robust and hygienic canvas that is perfect for traditional teaching and the dynamic exchange of ideas that contemporary education demands.



# A Commitment to Safe, Engaging Learning Spaces

We understand the significance of cleanliness in educational surroundings, and therefore, we designed CeramicSteel to be naturally resistant to bacteria and simple to clean. This dedication to hygiene promotes the safety of classrooms, ensuring that they are not only centers of learning but also strongholds of health.



# Enduring Quality for Educational Institutions

Our CeramicSteel is made of robust porcelain-enameled steel, which makes it highly durable and suitable for daily use in educational settings. It resists wear and tear, ghosting, and staining, ensuring that your investment will continue to serve future generations. The surface maintains its functional and aesthetic qualities over time, making it an excellent long-term solution.









# CeramicSteel for Whiteboards

## Unmatched Durability

Our CeramicSteel whiteboards are specifically designed to endure heavy usage, making them perfect for busy environments such as classrooms and corporate meeting rooms. They resist scratches, stains, and fading, ensuring they maintain a neat and functional appearance over a long period of use, even in high-traffic areas.

## Writing & Display Quality

Our surfaces offer unparalleled writeability, no matter what type of marker you use—dry-erase, semi-permanent, water-soluble, or permanent. Our whiteboards' fine, matte finish provides a smooth writing surface and excellent contrast, making writing readable and clear.

Our whiteboards feature sharp, distinct marker lines, resulting in maximum color contrast, which enhances visibility and improves communication.

# CeramicSteel for Chalkboards

## Writing and Erasing Experience

Our chalkboards feature a matte finish that ensures excellent chalk adhesion. Thanks to the surface's distinctive low-gloss finish, you can write smoothly and legibly with minimal pressure.

The low-gloss finish enhances visibility by creating sharp, clear contrasts while making erasing easy.

With our chalkboards, you can say goodbye to "ghostwriting" and enjoy a clean slate, reducing residual chalk dust and maintaining optimum readability.

## Robust Wearability for Lasting Use

Polyvision's surfaces are built with a vitrified, glass-hard ceramic surface fused with high-quality steel. These chalkboards exhibit high resistance to impact, abrasion, and color fading, which means they will maintain their appearance and integrity over time.

Our e<sup>3</sup> CeramicSteel surface has a hardness rating of at least five on the Mohs scale, ensuring that it will withstand the test of time and support daily educational and collaborative efforts, which enhances visibility and improves communication.

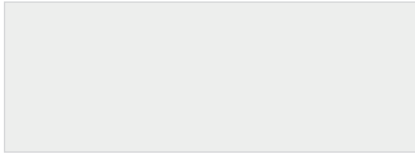


$$2 + 2 = 4$$



# Colors

Our CeramicSteel products come in a variety of long-lasting colors, ranging from bright and dynamic to subtle and refined, and they are designed to elevate any area with the quality and reliability that Polyvision is known for. For those who need personalized solutions, we also offer digital printing that allows for complete customization. You can choose from our predefined color options or create custom custom prints to fully express your vision in any setting.



**White Gloss**  
Polyvision Color Code 6100



**Light Grey Gloss**  
Polyvision Color Code 6101



**Beige Gloss**  
Polyvision Color Code 6102



**Green Chalk**  
Polyvision Color Code 6500 C



**Grey Chalk**  
Polyvision Color Code 6502 C



**Black Chalk**  
Polyvision Color Code 6501 C

# Patterns



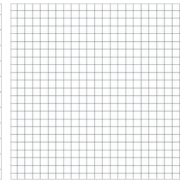
Music Lines



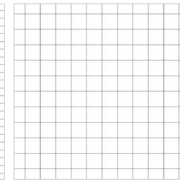
Lines 50



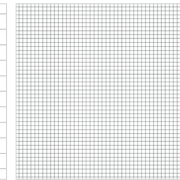
Lines 100



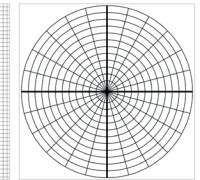
Grid 50



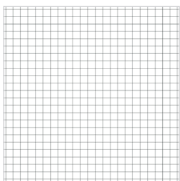
Grid 100



Double Grid 50



Polar Coordinates



Double Grid 100



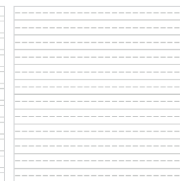
1st School



2nd School



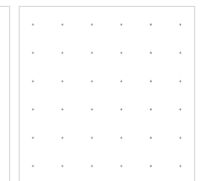
3rd School



Penmanship Lines



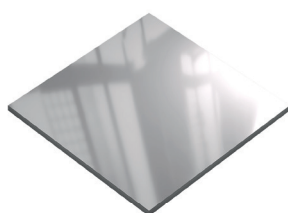
Cross 50



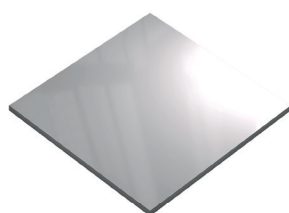
Cross 100

# Surface Types

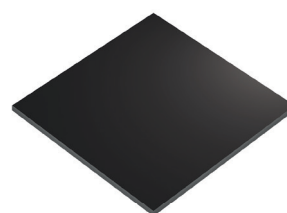
Several gloss levels possible



**Ultra High Gloss**



**Low Gloss**



**Chalk**



# Corporate Responsibility

Polyvision believes that sustainability is an important business practice in today's global economy. In line with this belief, we strive for continuous improvement in all areas of environmental stewardship — responsible use of raw materials and natural resources, manufacturing processes and operation of all facilities — to reduce the impact of our activities on the environment. In the end, we believe we are all in this together, working to protect and cultivate the world we live in to make more sustainable choices.

## Manufacturing Excellence

All Polyvision facilities are compliant with international standards and certified for Quality, Environment, Health and Safety. Our environmental goals aim to reduce and manage our global environment footprint in the areas of VOC emission, water use, waste output and CO<sub>2</sub> emission.

- ISO 9001 Quality Management Systems Certification
- ISO 45001 Occupational Health & Safety Management Certification

## Ensuring A Sustainable Future

In addition to safe and sustainable manufacturing processes, Polyvision holds our products to the highest standards. We are third-party certified for our CeramicSteel surface by:

- **Cradle to Cradle Certified**® Bronze — releases no harmful chemicals into the environment, safeguards clean water, materials are safe for humans and the environment
- Indoor Air Quality Certified to SCS.EC10.3-2014 v4.0
- ISO 14001 Environmental Management Certification

Our CeramicSteel surface is 99% recyclable, made from 100% inorganic materials, and backed by a twenty-year limited warranty. We partner with our customers to help them meet their sustainability goals and contribute to architecture's enduring performance and beauty worldwide.



# Forever Warranty

Polyvision warrants that all porcelain-enameled surfaces made with e<sup>3</sup>™ CeramicSteel with or without printing will retain its writing and erasing qualities and maintain its gloss variance and color consistency for the life of the building or for as long as the product is in use, whichever comes first. In addition, Polyvision warrants that any Hygienic CeramicSteel surface manufactured by Polyvision will retain its Hygienic properties for the life of the building or for as long as the product is in use, whichever comes first.

Should any failure to conform to this warranty become apparent, then, upon written notice from the customer, Polyvision, at its option, will correct such nonconformity by repair or replacement. Correction in the manner provided above shall constitute a fulfillment of all liabilities of Polyvision with respect to the quality of the CeramicSteel writing surface. The warranty is applicable only under normal usage and maintenance and does not cover defects caused by improper handling, vandalism or abuse, or arising from failure to follow Polyvision's instructions and recommendations for maintenance.

The warranty is voided if any modifications are made to the products by the customer or other trades with or without Polyvision's written consent or prior knowledge. The warranty does not include the cost of removal or reinstallation. This warranty is effective as of March 7, 2024, and supersedes the terms and conditions of all prior surface warranties issued to the customer by Polyvision.

**This limited warranty is the sole remedy for product defects and no other express or implied warranty is provided, including but not limited to any implied warranties of merchantability or fitness for a particular purpose. Polyvision shall not be liable for consequential or incidental damages arising from any product defect.**

**NOTE** Architectural surfaces are covered under the Polyvision Limited International Warranty (20 years).



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## **SURFACEMATTERS™**

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