



COMPANY OVERVIEW

PolyVision[®]
a steelcase company

PolyVision

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THE EXPERIENCE

PolyVision understands that the most effective solutions require skill, dedication, ideas and the agility of passionate people. Since 1954, we have put those qualities to work, producing the world's most durable CeramicSteel surfaces. From time-tested chalkboards of early classrooms to landmark walls and infrastructure, our products span more than 2 billion square feet of business, education and public spaces globally.

OUR QUALITY PRODUCTS ARE DESIGNED AROUND THE PRINCIPLES OF OUR UNIQUE POINT OF VIEW:

Our Values

- Act with integrity
- Tell the truth
- Keep commitments
- Treat people with dignity and respect
- Promote positive relationships
- Protect the environment
- Excel

Our Quality Policy

- Do it right the first time
- Exceed customer expectations
- Continuously improve what we do

Our Key Behaviors

- Be connected
- Be curious
- Be committed

PolyVision believes that sustainability is an important business practice in today's global economy. In line with this belief, we strive to encourage continuous improvement in all areas of environmental stewardship – responsible use of raw materials and natural resources, design processes and operation of all facilities – to reduce the impact of our activities on the environment. Our product development guiding principles encompass our commitment to excellence in every dimension to protect, replenish and restore the communities in

which we live and serve. Following these principles, our Production, Supply Chain and Research and Development teams continually evaluate alternate resources and process improvements for our existing products and new products. This cycle of constant improvement enables PolyVision to capitalize on technology and material efficiency to reduce our environmental footprint while developing products that advance human health, social responsibility and economic success.

A GLOBAL COMPANY

PolyVision, headquartered just north of Atlanta, Georgia, USA, employs approximately 200 people globally, in offices and manufacturing facilities around the world. PolyVision was acquired by Steelcase Inc. in November 2001.

Steelcase is a global company headquartered in Grand Rapids, Michigan, USA, with approximately 10,000 employees worldwide and more than 650 dealer locations around the world.

Fast Facts

- > Founded in 1954
- > Headquartered in Duluth, Georgia, USA
- > Manufacturing Locations: Genk, Belgium, and Okmulgee, Oklahoma
- > Sales and support offices around the world





PRODUCTION FACILITIES

PolyVision: Okmulgee, Oklahoma

Since 1975, our Okmulgee facility has produced smooth-as-glass surfaces for markerboards, chalkboards and architectural surfaces in standard and custom sizes, coils and cut sheets with superior flatness and screenprinted applications.

PolyVision NV: Genk, Belgium

PolyVision's European headquarters is one of two facilities that manufacture our revolutionary CeramicSteel surfaces. The Genk facility is equipped to print on CeramicSteel and laminate architectural and graphic panels.

MANUFACTURING

PolyVision's world-class manufacturing facilities are deeply rooted in the development and production of our revolutionary e³™ CeramicSteel surfaces, the core of PolyVision's product portfolio. Offering the utmost in flexibility, CeramicSteel surfaces are produced in a variety of colors for markerboards and chalkboards, in coils or cut sheets, and always guarantee the optimal characteristics that are appreciated by our customers around the world.





PRINTING

The PolyVision manufacturing plants also produce a³™ CeramicSteel panels appropriate for a wide variety of architectural applications and are highly skilled in the art of printing. This enables any graph, design or image to be printed and fired into the CeramicSteel surface on continuous coils or sheets.

SERVICES

State of the art

PolyVision's services are the driving force behind our organization. Our continued efforts in Research and Development have brought the art of enameling to a rare level of extreme control over product and process. Quality control, safety and environment are key parameters in our philosophy and in our day-to-day practice.

PolyVision holds the following certifications:

- > ISO 9001 (Quality)
- > ISO 14001 (Environment)
- > OHSAS 18001 (Health & Safety)
- > Cradle to Cradle Certified^{CM} Silver
- > Indoor AdvantageTM Gold
- > ISO 28762 (Vitreous and porcelain enamels specification)



ENVIRONMENTAL POLICY

Global Attention

PolyVision strives for continuous improvement in all areas of environmental stewardship – responsible use of raw materials, natural resources, design processes and operation of all facilities – to protect, replenish and restore the communities in which we live and serve. Third-party environmental certification assures customers and end users that the products they select support healthy indoor air quality and do not emit harmful chemicals.

PolyVision e³ CeramicSteel, which contains no VOCs and is 99.9% recyclable, is the only CeramicSteel surface to achieve global Cradle to Cradle Certified^{CM} Silver. The Cradle to Cradle Certified^{CM} program focuses on the characteristics of sustainable materials, products and systems. The process places major emphasis on the human and ecological health impacts of a product's ingredients as well as its ability of that product to be truly recycled or safely composted. The type of energy used to create a product, water quantity and quality, and social responsibility are also essential sustainability characteristics on which the Cradle to Cradle Certified^{CM} program is focused





ADMINISTRATION & BUSINESS

Support Services

PolyVision provides exceptional customer service around the world. Complete and dedicated support accompanies every PolyVision coil, cut sheet or panel. We also support our customers with the knowledge to incorporate our CeramicSteel into finished goods and projects. We provide short lead times, monitor orders, freight, cost and product availability, and offer a level of commitment and service agility that is unmatched.

PRODUCT APPLICATIONS

Education

PolyVision, the largest provider of CeramicSteel surfaces for the education market, has supplied writing surfaces for more than 8 million classrooms worldwide, impacting more than 250 million students each day. Our CeramicSteel surfaces are integrated into markerboards and chalkboards that have graced the walls of classrooms around the world for more than 50 years, offering exceptional style plus the durability to withstand the rigors of any learning environment.

Commercial

PolyVision's proprietary CeramicSteel surfaces are the preferred choice for commercial applications, offering a variety of color selections and screenprinting to match the aesthetics of any corporate environment. e³ CeramicSteel surfaces are made for life so the surface will never ghost, stain or scratch, keeping your ideas looking great year after year.







PRODUCT APPLICATIONS

Infrastructure and Graphics

PolyVision has a global presence in tunnels, train stations, airports and other public spaces, thanks to the durability of our a³ CeramicSteel panels. PolyVision CeramicSteel panels have long been used for infrastructure projects due to their resistance to graffiti, fire, bacteria, scratches, stains and chemicals, both as interior and exterior walls. Many infrastructure projects include printing, one of PolyVision's special skills. Images include everything from maps and signs to full reproductions of art masterpieces.

MADE FOR LIFE

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POLYVISION CERAMICSTEEL

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Unmatched for sleek, smooth consistency, PolyVision CeramicSteel is made to endure—beautifully. It is the most popular writing surface and covers a world of architecture and infrastructure, defying scratches, stains, weather, pollutants and fire. For uniformity, aesthetics and durability, PolyVision surfaces are the choice for schools, hospitals, walkways...wherever your imagination—and life—takes you.

PolyVision guarantees it.

MEET THE WORLD'S MOST POPULAR WRITING SURFACE

When it comes to the rigors of classrooms and offices, e³™ CeramicSteel simply outperforms. It won't scratch, stain or fade—guaranteed. It's also more durable, delivering unmatched erasability and a consistently smooth writing experience, which means higher-quality communication for educators.

PolyVision e³ can be written on with dry-erase, semi-permanent, water-soluble or permanent marker, chalk, pen or crayon without damaging the surface. It is safe and clean, and releases no harmful chemicals into the environment—99% recyclable and the only globally Cradle to Cradle Certified^{CM} Silver surface of its kind.

Made to last like no other surface

- > Smooth writing surface
- > Optimum erasability
- > Scratch, fire, bacteria and chemical resistant
- > Standard and premium color finishes available
- > Colorfast—will not fade
- > Minimal surface/light distortion for less glare
- > Cradle to Cradle Certified^{CM} Silver

Chalkboards

Our super-smooth matte finish chalk surfaces won't leave annoying "ghost writing" and yields less chalk dust for a cleaner, healthier environment.

Dry erase boards

Choose from high gloss, low gloss and projection surface options to suit your lighting needs with minimal glare.

PolyVision e³ is warrantied for as long as it is installed and in use.



PolyVision e³ CeramicSteel

- > Exceptional writing performance
- > Environmentally certified
- > Everlasting durability



$\frac{1}{2} = \frac{1}{4\pi\epsilon_0} \frac{1}{r^2}$
 $= \frac{q}{\epsilon_0} \quad Q=VC$
 $I^2 R = \frac{V^2}{R} \quad H = \frac{P\Delta}{O}$
 $vB = qv(B\sin(\theta))$
 $\epsilon = kE_1 - kE_2, A = 4\pi r^2$
 $8.99(10)^9 \left[\frac{Nm^2}{C^2} \right]$
 $A = \pi r^2$
 $V = \frac{4}{3} \pi r^3$
 $e = \frac{+}{-} \frac{1}{\kappa}$
 $\frac{QV}{2} = \frac{CV^2}{2} = \frac{Q^2}{2C}$

n_4
 n_3
 n_2
 n_1
 n_0

$X = t$

$\epsilon = \frac{1}{\kappa} = V$

$(m = \frac{C}{\epsilon})$

$y_1 = 1 \quad y_2 =$
 $y_3 = 3 \quad x = 0$

$2\pi r = A$

$\Delta B = A$

$x =$
 $y = 2$
 $x =$

$\epsilon = -\frac{\nabla V}{Hd} / \frac{Sp}{\Delta V}$

$\Delta B = A$

$x =$

ARCHITECTURAL CLADDING & INFRASTRUCTURE: A SMOOTH EDGE ON THE COMPETITION

Years from now, your building or tunnel will look as good as the day you built it—guaranteed.

PolyVision a³™ CeramicSteel is the globally preferred architectural finish for hospitals, offices, rail stations, undergrounds, jet ways, escalators, toilet partitions—the list is endless. It is the fabricator and architect's choice for sleek beauty, consistency and crisp, smooth edges. No matter what you're designing, PolyVision CeramicSteel supports your aesthetic vision across the toughest performance measures—including your own.

When comparing leading surface materials with PolyVision, ask if they meet these critical performance measures:

- > Can it resist graffiti?
- > Will it retain its vibrant color and graphics?
- > What about dirt, grease and bacteria?
- > How about weathering?
- > Does it serve the worldwide push for smart, sustainable materials?

Equally important is knowing that you have a surface that consistently delivers. PolyVision CeramicSteel applies easily to installation materials with smooth-as-glass uniformity.

Durability meets versatility. The only limit is your imagination.

Available in sheets cut to any size, coils or laminated panels. A wide variety of standard and premium color finishes is available to meet the needs of any project. Add printed graphics to transform ordinary, functional structures into visual expressions of beauty that will never fade.



PolyVision a³ CeramicSteel

- > Architectural durability
- > Aesthetic beauty
- > Applicational diversity



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