

EnVision™

Digitally Printed Safety Glass

solos  glass
see the possibilities

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Cover: Rockheim Museum, Norway

> Right: Ryerson University, Canada



Imprint your vision

The new architectural canvas

Introducing EnVision™, a range of superior quality digitally printed toughened safety glass products which redefines the potential for artistic expression. Combining limitless design possibilities with high performance glass and 1410dpi image resolution, EnVision™ transforms your design concept into architectural reality.

The ability to combine transparent, translucent and opaque details with colours and shades, not to mention the possibility to create double sided or even 3D designs for a diverse aesthetic experience, are just some of the amazing things that can be achieved with EnVision™.

Through EnVision™, glass can now be seen as the new architectural canvas; the platform on which the ultimate visual impact can be created and inspiration communicated.





Design

Utilising EnVision™ unleashes new possibilities in modern glass design by transforming architectural glass into a space for artistic expression.

Precise micro-drop printing creates accurate photorealistic and graphic designs. Imprint your most creative designs on glass to create iconic, breathtaking architecture that reflects your unique vision.

Performance

The advanced digital printing technology associated with EnVision™ enables the optimum glass performance to be achieved without limiting the glass range, quality or colour vibrancy of the design.

EnVision™ digitally printed glass supports a wide range of performance attributes including safety and impact resistance, energy efficiency, light scattering, glare reduction and slip resistance.

Sustainability

Glass is one of the most versatile and sustainable building materials available. EnVision™ digitally printed glass panels are manufactured using heavy metal free inks, are eco-friendly and can assist in obtaining environmental and sustainability certifications.

Durability

The highest quality ceramic inks are fused onto the glass surface during the toughening process, providing unmatched resistance to scratching, acid, UV light and weather.

Inspiring possibilities

EnVision™ is the perfect glazed solution for offering high resolution imagery and clarity which also offers stunning functional effects and levels of performance across a number of applications.

The only limit is your imagination.





Room dividers and partitions

Whether you choose from the range of Vector Patterns or Natural Elements, enhancing a standard clear or translucent laminated glass creates a stunning addition to either the working environment or an individual statement within a home.

EnVision™ can be central to maintaining a spacious feel, offering a level privacy whilst opening up the room or working space to extra light.



Kitchen splashbacks

An EnVision™ splashback provides that personal touch and a perfect combination of stunning design, ease of cleaning and long-lasting durability.

Whether it's a design from the EnVision™ Natural Elements range where the look of stone or wood brings the outside world into your kitchen or an individual design, photorealistic art installation or mood-setting scene, EnVision™ is a practical, functional and safe solution.

< Left: Kuopio University Hospital, Finland

^ Above (left): The Ashland, New York

^ Above (right): Private home kitchen



Stained glass windows

Creating or replacing stained glass windows or doors is a specialist craft and potentially an expensive exercise. Ideally suited to refurb projects, EnVision™ can match existing window designs or perfectly reproduce any bespoke design.

EnVision™ offers a pragmatic, durable and superbly detailed alternative way of presenting stained glass images which in no way compromises the atmosphere or enduring images of celebration that traditional stained glass windows represent.



Facades and curtain walls

Through EnVision™, spectacular and unique building facades can be created. Unique, energy efficient and visually stunning, a custom designed facade or curtain wall using EnVision™ blends vibrant colours with an improved ability to create durable, iconic designs whilst being able to further control the levels of visible light, UV transmission, SHGC and UV.

- ^ Above (left): Queen of Apostles Catholic Church, Nairobi
- ^ Above (right): WTC P-HUS, Sweden
- > Right: Private home bathroom





Bathrooms and showers

Providing a subtle level of privacy or a bold statement in style is something that the environment of a bathroom often requires to transform its look or add a level of comfort to what is essentially, a personal space.

Using an individual design or one of the standard designs offered through either the Vector Patterns or Natural Elements range provides an easy to clean and individual visual statement.



Balustrades and balconies

Balustrades also offer excellent opportunities to showcase printed glass which can in turn provide design, style and aesthetic innovation. With no compromise on safety to achieve the desired look, balustrades are the perfect canvas to express that personal touch or that link with the immediate environment, both internally and externally.

Ensuring privacy without blocking light, blending in with nature, opening up the external view, enhancing the inner sanctuary or just maintaining that spacious feel with a new look are all core benefits of EnVision™.



Memorials and signage

Commemorating a special event, remembering loved ones, celebrating culture or publicly showcasing artistic vision can all be beautifully presented with EnVision™. Vibrant colours, different effects and outstanding durability all combine to both preserve the past and shape the future.



Roofing

EnVision™ brings a whole new dimension to the term 'letting in more light' through a roof or ceiling.

Providing incredible design opportunities without compromising on the required integrity and loading requirements demanded by such elements, EnVision™ will enthral as well as captivate, fascinate as well as delight. It opens up and brings new life to a part of a building often seen more from a perspective of pure functionality rather than its design and light providing potential.

^ Above (left): SDU Technical Faculty, Denmark

^ Above (centre): Norling Alameda County Water, USA

^ Above (right): Central Children's Store, Russia



Walkways

Airports, hospitals, hotels, educational facilities, railway and bus interchanges are but a few examples of where printed glazed walkways offer significant design and/or communication opportunities.

Vision to reality

One of the key characteristics of EnVision™ is the role it plays in not only providing unlimited design potential, but also the flexibility it provides to the design process.

Printed on any standard glass thickness between 4mm and 19mm and capable of being manufactured in large individual panel sizes of up to 6m x 3.3m, any image or design can also be easily scaled up across multiple panels to create a visually stunning graphic across a complete building facade or bespoke interior walls.





1 Design concept and illustration

We feed your supplied graphics into our DXP 3 glass design and graphics platform.

2 Graphic conversion

With a range of specialist features, the DXP 3 software automatically turns the respective graphic file into a ready to print image.

3 Glass preparation and digital printing

The glass is selected from stock and transferred onto the cutting table where it is cut prior to being automatically washed and positioned on our Dip-tech NEraD digital printer. Here the design is printed on the glass surface and automatically dried prior to being transferred into the toughening furnace via the fully integrated conveying system.

4 Further processing

Toughening the printed glass permanently fuses the image/design into the glass surface. If required, the printed glass is then either incorporated into an IGU or custom laminated to suit the application prior to being packed and subsequently distributed.

Highest performance

EnVision™ is manufactured using only the highest quality ceramic inks, with each type of ink used performing a range of different functions across any design from standard dots and lines, through multicolour patterns to photorealistic images.

Applied to the glass surface through precise micro-dot printing using the latest digital printing technology, ceramic ink becomes fused to the glass itself during our carefully controlled toughening process.

This forms a permanent, durable surface which is highly resistant to UV, scratching and even acid attack. It also ensures each piece of EnVision™ meets Grade A safety glass requirements of AS 2208.





Spectrum Series

The Spectrum Series of seven high performance core colours (blue, green, white, orange, red, black and yellow) can also be used to create numerous other colours and shades.

Light diffusion Series

The Light Diffusion Series enabling effective privacy and light control to be achieved through different etch effects.

Precious Metallic

Precious Metallic inks provide extra shine and reflectivity for the perfect metallic effect.

S1 Series

The S1 Series delivers durability when extreme resistance to weather and chemicals are required, as well as providing additional glare and reflection control.

Slip Resistant

Slip-Resistant inks are perfect for flooring and staircases and also offer exceptional mechanical, environmental, UV and chemical stability performance.

All EnVision™ inks are supplied by Dip-Tech/Ferro and do not contain lead or cadmium.



For additional product details
and warranty information
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