



**SCHOTT**  
glass made of ideas

**NARIMA®**

Color Effects Glass

SCHOTT is a leading international technology group in the areas of specialty glass and glass-ceramics. With more than 130 years of outstanding development, materials and technology expertise we offer a broad portfolio of high-quality products and intelligent solutions that contribute to our customers' success.

SCHOTT works closely with architects and designers to extend the boundaries of design and create new opportunities for building culture – in terms of design and space, indoors and outdoors, aesthetics and functionality. That's what makes SCHOTT a qualified partner for architecture.

**Cover:** The multifaceted glass facade of the new Harpa Concert Centre and Conference Hall in Reykjavík communicates effectively with its surroundings and features NARIMA® Color Effects Glass and AMIRAN® Anti-Reflective Glass from SCHOTT.

**Right:** NARIMA® Color Effects Glass sets visual accents in the tower façades of the civic center in Calgary, Canada, and even offers protection from the sun.



SCHOTT NARIMA® glass makes a bold statement. The color of the glass changes according to the solar zenith angle and where the observer is standing. The result is a beautiful changing color effect that imparts a unique personality on interior and exterior spaces.



## Enchanting, eye-catching and elegant

Indoors or outside, SCHOTT NARIMA® Color Effects Glass grabs people's attention. This glass produces iridescent color effects in six different variations and makes a bold visual statement while conveying an impressive sense of depth – making it the ideal material for architects, artists, and designers to create lively color accents.

### Attention grabbing

NARIMA® is a Color Effects Glass that is produced in a dip coating process. Very thin layers of high and low refraction metal oxide coatings create vivid colors which change depending upon viewing angle and daylight conditions. Based on its hardness, scratch resistance and high chemical resistance, NARIMA® is noticeably more durable than conventionally coated glasses – and care and cleaning of the glass could hardly be more simple and uncomplicated.

### Discernable prestige

NARIMA® glass is particularly well-suited to high-profile landmark buildings such as major office buildings, museums, opera houses, theaters, cinemas, and shopping malls. Room dividers, doors, screens, and parapets made of NARIMA® Color Effects Glass lend interiors an eye catching focal point that is instantly recognizable, so NARIMA® glass is often used in shops, restaurants, and casinos.

### Available in six colors

SCHOTT currently supplies this dichroic glass in six colors: Blue/Gold, Blue/Green, Green, May green, Yellow and Orange. "Dichroic" means that NARIMA® glass reflects some colors and allows others to pass through. For this reason, the glass shows one color when it is looked through, but creates a completely different color impression in the plan view, depending on the angle.

#### SCHOTT NARIMA® – Color Effects Glass

- Amazing color effects
- Six color variations (four variations can be thermally toughened)
- For interior and exterior applications
- Tough surface resists scratches and chemicals; weatherproof
- CE certified
- Available on various types of substrate glass by request
- Many processing options and formats (thermally toughened safety glass, heat-strengthened glass, laminated glass, insulating glass)

Left: Remembrance Plaza Memorial,  
Lynn University, Florida (USA)

Right: "Grand Canal Square 1" office building  
in Dublin, Ireland  
Architect: Duffy Mitchell O'Donoghue









Fascinating view: NARIMA® used in the "60 Threadneedle Street" office building in London  
Architect: Eric Parry Architects

## SCHOTT NARIMA® – Color Effects Glass

### A variety of amazing effects

For a combination of attention-grabbing color effects and a sophisticated surface structure, RIVULETTA® with one-sided pattern of finely defined parallel lines can be used as the substrate glass for NARIMA® dichroic Color Effects Glass. The different processing possibilities SCHOTT offers expands your options even further. NARIMA® glass can be processed like normal float glass or used as laminated glass or insulating glass. This enables the incorporation of additional features such as heat insulation, sun and sound protection.

Please contact us.

Advanced Optics  
**SCHOTT AG**  
 Hattenbergstrasse 10  
 55122 Mainz  
 Germany  
 Phone +49 (0)6131/66-2678  
 Fax +49 (0)6131/66-2525  
[info.architecture@schott.com](mailto:info.architecture@schott.com)  
[www.schott.com/architecture](http://www.schott.com/architecture)



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Germany

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Fax +49 (0)6131/66-2525

[info.architecture@schott.com](mailto:info.architecture@schott.com)

[www.schott.com/architecture](http://www.schott.com/architecture)







# SCHOTT NARIMA® – Color Effects Glass

## Technical Data Sheet

**Base material:** Float glass (clear)

**Processing options:** Laminated glass/thermally toughened safety glass/heat strengthened glass/insulating glass/insulating glass with sun protection and sound insulation

NARIMA® is a Color Effects Glass that is produced in a dip-coating process. Very thin layers of high and low refraction metal oxide coatings create vivid colors which change depending upon viewing angle and daylight conditions. Based

on its hardness, scratch resistance and high chemical resistance, NARIMA® is noticeably more durable than conventionally coated glasses – and care and cleaning of the glass is could hardly be more simple and uncomplicated.

### Product Advantages

- Vivaciousness – impressive color effects (in Blue/Gold, Blue/Green, Green, May green, Yellow and Orange)
- Uniqueness in effect, dimensions and processing options
- Eye catching interior and exterior applications
- Elegance – interesting visual accents with impressive depth effects and homogeneous appearance (especially in comparison to film-based solutions)
- Durable – hard, scratch and chemical resistance
- Multiple processing options – as safety and insulating glass
- Dip-coated glass – harder than spray coated glass products and less susceptible to moisture than film based solutions
- Applicability – office buildings, museums, and opera houses, doors and balustrades

### Applications

#### Facades

- Monolithic installation creates dynamic color effects in buildings
- Single laminates for slat applications are now possible
- Insulating glass applications

#### Interior architecture

- Aesthetic options for interior architecture
- Balustrades
- Doors
- Dividing walls

### Product range

Color effects glass	Color effects glass	Color changeover of the coating (reflection)	Color appearance (transmission)
Blue/Gold***	27110	gold*	blue
Blue/Green**	23200	violet*	blue-green
Green***	23310	violet*	light-green
May green**	23400	violet*	green
Yellow***	24210	blue*	yellow
Orange***	24310	blue – silver*	orange

\* The color of the reflection depends on the observation angle.

\*\* Only available as non-toughened glass.

\*\*\* Can be thermally toughened.

NARIMA® Color Effects Glass is available in standard thicknesses of 6 mm with a float glass base. It is also available using extra clear low-iron float glass and RIVULETTA® structured glass on request. 4 mm, 5 mm, 6 mm, 8 mm, 10 mm and 12 mm thickness also available on request.

Standard sheet dimensions (net) (min.) are:  
3,770 mm x 1,700 mm, 3,180 mm x 1,700 mm and  
1,700 mm x 1,220 mm

### Cleaning and maintenance

Please refer to cleaning instructions No. 2001, handling instructions No. 2002 and processing instructions No. 2003.

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