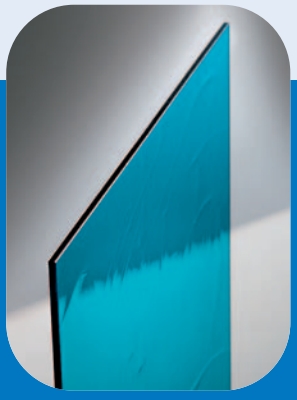
Decorative solutions made of glass

Function. Aesthetics. Design.

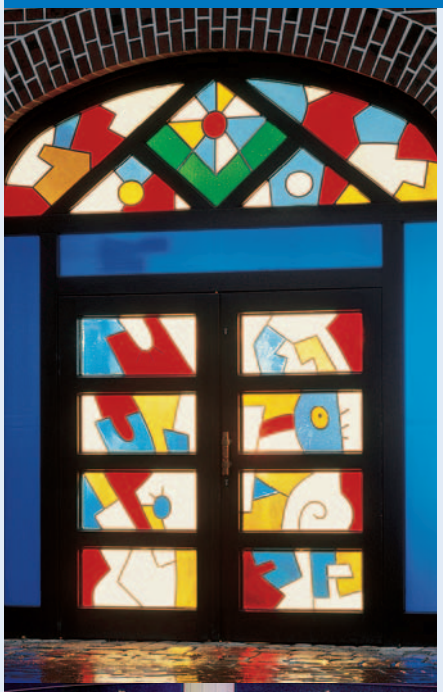
Decorative flat glasses
from SCHOTT

SCHOTT
glass made of ideas



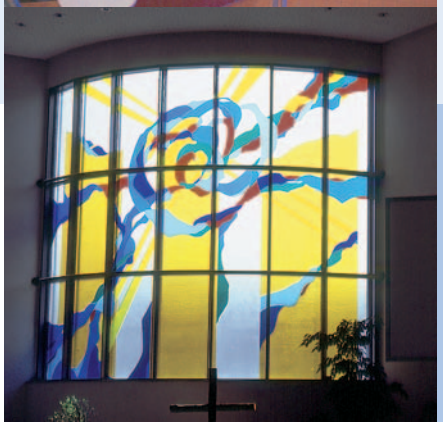
ARTISTA®

ARTISTA® is a body-tinted flat glass with a textured surface on one side.



Portal Otmar Alt Foundation

KissSalis Thermae, Bad Kissingen



Baptist Community Center, Nuremberg, Germany

ARTISTA® opens up new perspectives for creating the link between functionality and aesthetics in creative new ways – regardless of whether you're looking at architectural or interior design applications, fusing or traditional leaded glazing. ARTISTA® features a textured surface on one side.

During fusing, different sizes and shapes of these glasses are placed onto a larger glass pane and fused inside a kiln. This results in high brilliancy of color and soft transitions between the fused sections. ARTISTA® is currently the only fusing glass that is suited for use in large sizes. ARTISTA® can be processed into either laminated safety glass or insulation glass. In an unfused state it can be thermally tempered into safety glass starting with a thickness of 4 mm. ARTISTA® Frits and Thin Glasses enable even fused glasses to be tempered into safety glass.

** Additional information is available in our ARTISTA® Newsletter: »Thermal Tempering with ARTISTA®« and on our website at: www.schott.com/architecture/english*

Centocelle S. Bernardo, Rome, Italy

ARTISTA® | Machine-drawn flat glasses | *fusing compatible*

Colors

**Color code 8010 is an exception and is not fusing compatible.*

0189 clear *7086* *7172* *6063* *7228* *8010**

9150 *9012* *4318* *4803* *4032* *3055*

3019 *4323* *4264* *4068* *5172* *5332*

5056 *5640* *6156* *1062* *1146* *1418*

ARTISTA® | Rolled flat glasses | *fusing compatible*

Colors

0900 white opaque *09001 white iridescent* *2500 black opaque* *25001 black iridescent* *8110* *8047*

7184

State Central Bank Meiningen, Germany

The color samples shown here offer an impression of the colors of the glasses when looked through under standard illuminant A.

As a result of reproduction and printing, the colors shown here may vary from the original colors.

The colors are shown in the order of their respective color codes, which are indicated below each sample.

Casino Bad Füssing, Germany

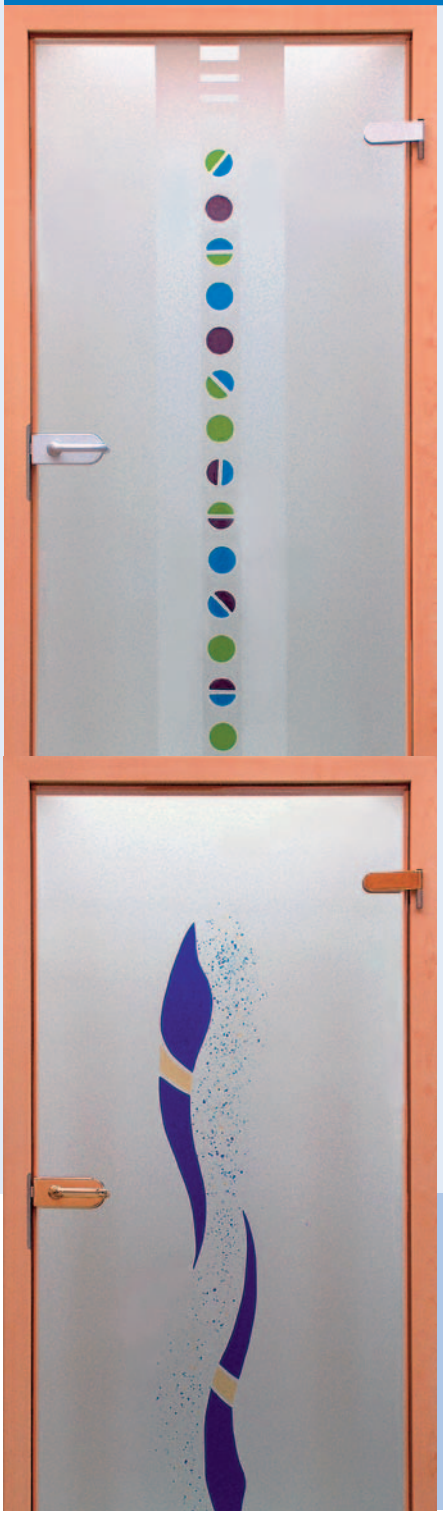
Nominal thickness in mm	Tolerance in mm	Colors available (color code)	Dimensions (length x width) [2] in mm x mm
2.75	± 0.25	all colors except 0900, 2500, 7184, 8047, 8110, 09001, 25001	1000 x 1500 1600 x 1500
approx.3.00		0900, 2500, 7184, 8047, 8110, 09001, 25001	840 x 610
4.00	± 0.25	0189, 1062[1], 6063[1], 7086[1]	1800 x 1500
6.00	± 0.50	0189	2100 x 1500
8.00	± 0.50	0189	2100 x 1000 2100 x 1500
10.00	± 0.50	0189	2100 x 1500
12.00	± 1.00	0189	2400 x 1500

[1] *As the thickness of the glass increases, the transmittance declines; the visual impression of the color is darker than the color presented.*

[2] *Due to the production process, the lengths specified for the panels may vary by +/- 25 mm and the widths by +100 mm/-200 mm.*

ARTISTA®

ARTISTA®- Frits and Thin Glasses* open up a multitude of new design possibilities with respect to both design and safety. These products allow for fused glasses to be thermally tempered into safety glass.



Door design:
Glas Künzel

ARTISTA®- Thin Glasses | *fusing compatible*

Colors

Nominal thickness in mm	Tolerance in mm	Colors available (color code)	Dimensions (length x width) [2] in mm x mm
1.65	± 0.15	4803, 7172	1000 x 1500
ca. 1.9		4329, 5652, 7053, 7184, 8047, 8110, 9116, 1140,	610 x 610

The thin glasses presented here are rolled glasses.
*** Machine drawn flat glasses 4803 and 7172*

ARTISTA®- Frits | *fusing compatible*

Grain size

Powder | *Fine* | *Medium* | *Coarse* | *Mosaic* only 0189

** Additional information is available in our ARTISTA® Newsletter: »Thermal Tempering with ARTISTA®« and on our website at: www.schott.com/architecture/english*

ARTISTA®- Frits | Colors

All of the colors offered by the ARTISTA Flat Glass product line[1] (See p. 3)

Grain size
(mesh size)

Powder:	0.2 mm	Coarse:	7.0 mm
Fine:	1.0 mm	Mosaic:	15.0 mm
Medium:	2.6 mm		

Package unit

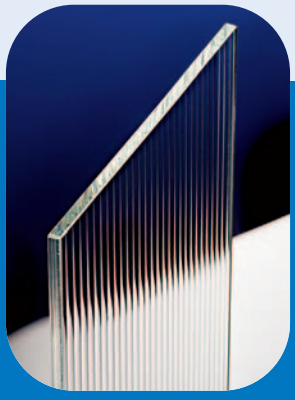
1 kg containers
Exception: 0189 (clear) mosaic is offered in buckets that contain 10 kg each

[1] *except 09001, 25001, 8010*

Summary

RIVULETTA®

RIVULETTA® is a highly transparent clear, machine-drawn sheet glass with a surface pattern of finely defined parallel lines on one side.



RIVULETTA® is fusing compatible with ARTISTA®.

Design-oriented glass for interior decorating

The texture determines the area in which the glass can be used: RIVULETTA® is used for furniture and door glazing, partitions and dividing walls, as well as shower cabinets. This means that the atmosphere of a room is no longer totally dependent on its interior. The glazing itself offers potential for making decorating decisions.

RIVULETTA® is manufactured to meet strict standards for quality. It can be processed into insulated glass or laminated safety glass, and for thicknesses equal to or greater than 4 mm it can be processed to thermally tempered glass. RIVULETTA® is characterized by its elegant fire-polished surface, uniform thickness and large dimensions. RIVULETTA® is also easy to clean.

Partitions

All glass door

Kitchen cabinet: Rational

Nominal thickness in mm	Tolerance in mm	Dimensions (length x width) [2] in mm x mm
2.75	± 0.25	1600 x 1500 1000 x 1500
4.00	± 0.25	1800 x 1500
6.00	± 0.50	2100 x 1500 1000 x 1500
8.00	± 0.50	2100 x 1000 2100 x 1500
10.00	± 0.50	2100 x 1000 2400 x 1500

[2] *Due to the production process, the lengths specified for the panels may vary by +/- 25 mm and the widths by +100 mm/-200 mm.*

IMERA™

IMERA™ is a non-textured, body-tinted, colored flat glass.

The Science Museum, London, UK

IMERA™ is a non-textured, body-tinted flat glass with a fire-polished surface that can be processed the same ways as conventional glass. For this reason, IMERA™ is not only suited for use in colored glass applications involving large areas, but also in architecture, both indoors and out, where it offers many individual ways of creating designs and setting accents with the use of attractive colors.

The color samples shown here offer an impression of the colors of the glasses when looked through under standard illuminant A.

As a result of reproduction and printing, the colors shown here may vary from the original colors.

The colors are shown in the order of their respective color codes, which are indicated below each sample.

The blind pavilion, 50th Biennale Venice, Italy 2003, Artist Olafur Eliasson

IMERA™ can be processed into both laminated safety glass and insulated glass. It can also be thermally tempered (into tempered safety glass) in 5 mm and 8 mm thicknesses.

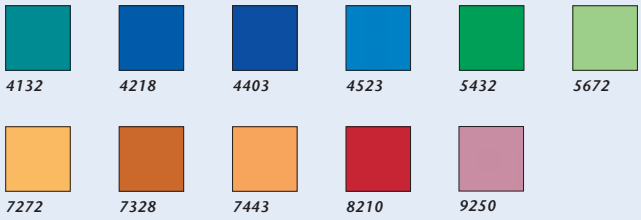
North Greenwich Station, London, UK

VIP lounge at SCHOTT's exhibition booth at »Automechanika«

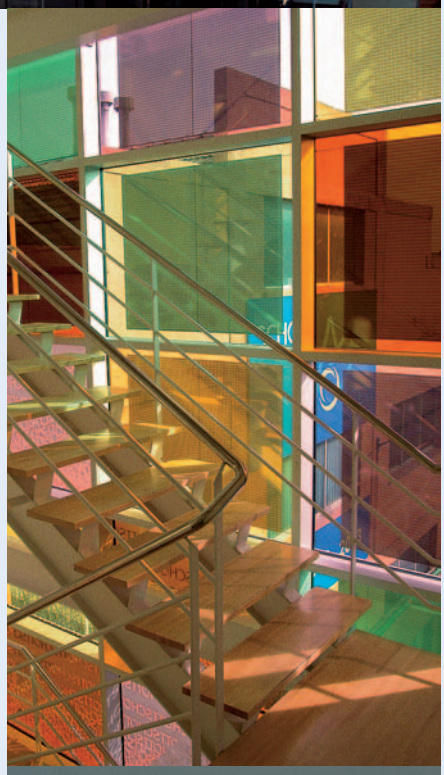
Novartis, Basel, Switzerland

IMERA™ | Machine-drawn flat glasses

Colors



Nominal thickness in mm	Tolerance in mm	Colors available (color code)	Dimensions (length x width) [2] in mm x mm
2.75	± 0.25	All colors except 8210	1000 x 1500 1600 x 1500
2.75	± 0.25	8210	1000 x 1500
5.00	± 0.50	4218[1]	2100 x 1500
8.00	± 0.50	4218[1]	2400 x 1500



SCHOTT Iberica, Barcelona, Spain
(in combination with photovoltaic modules)

Black glass | Machine-drawn flat glass

Color

Nominal thickness in mm	Tolerance in mm	Dimensions (length x width) in mm x mm
3.15	± 0.35	1810 x 800
3.75	± 0.25	1810 x 800
6.00	± 0.50	1760 x 800
8.00	± 0.50	1760 x 800

Special sizes and cut sizes on request.

All glass door
(CRISTALUX Kirchberger Glas GmbH & Co.)

[1] *As the thickness of the glass increases, the transmittance declines; the visual impression of the color is darker than the color presented.*
[2] *Due to the production process, the lengths specified for the panels may vary by +/- 25 mm and the widths by +100 mm/-200 mm.*

Summary

OPALIKA®

OPALIKA® is a white flashed opal glass that evenly distributes light, and achieves nearly shadowless light that resembles the sky light.

Audiforum, Peking, China

State Theater Mainz, Germany

Proper lighting contributes considerably towards ensuring that we feel comfortable inside a room. After all, it is here that we spend a large part of our lives. This also applies to rooms inside public buildings, especially those that rely on large format lighting, such as banks, museums or exhibition halls.

Unlike spotlights, OPALIKA® from SCHOTT distributes light evenly and, thus, creates a more comfortable environment. For this reason, the colorless base glass with its thin white flashed layer is perfectly suited for use in large format illuminated ceilings that harmonize with the entire composition of the room. In addition, the excellent characteristics that OPALIKA® offers in respect to technical lighting aspects provide an excellent color rendering. This is why OPALIKA® is also popular for backlit partitions!

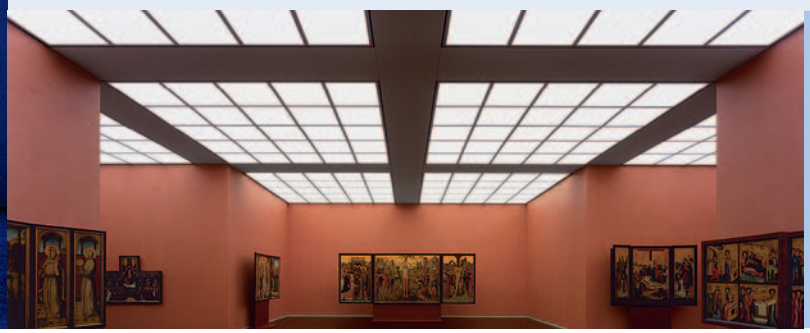
You should also take into consideration the following:

Building regulations
As is the case with any other functional ceiling, the authorities responsible determine which type of construction is required, e.g. laminated safety glass for use in overhead glazing.

Construction recommendations
The contact surface and the thickness of the glass used for the substructure of the illuminated ceilings depends on the dimensions of the glass.

For example, for a 60 cm x 60 cm grid size, an edge support width of 15 mm with a covering of Elastozell tape and 6 mm thick laminated safety glass is recommended.

In determining the final construction, one should make certain that no undesirable shadows are caused by the geometrical placement of the luminaires.



Wallraf Richartz Museum, Cologne, Germany

Museum on Hamburg Bahnhof, Berlin, Germany

Technical lighting tips

You'll achieve the optimum effects with OPALIKA® by ensuring that the distance between the luminaires and OPALIKA® is the same as the distance between luminaire to luminaire.

The minimum distance between OPALIKA® and the luminaires (void height) should be at least 20 cm. The maximum distance should not exceed 150 cm. In order to obtain the maximum benefits and impressions of the illuminated ceiling, we recommend that you refer to a parts list and order OPALIKA® from SCHOTT in cut sizes that meet the needs of your specific illuminated ceiling.

The advantages are quite obvious!
In addition to distributing light more evenly, OPALIKA® offers numerous other benefits:

- **Low void height**
  The void height required in order to illuminate a ceiling evenly with OPALIKA® is extremely low

- **Neutral in color**
  OPALIKA® is based on a special colorless optical glass. The white flashed opal glass layer is virtually white. This ensures that the luminous color of the illuminant is not distorted.

- **Scratch-resistant**
  OPALIKA® offers high resistance to scratches and is insensitive to surface abrasions.

- **Stability of shape**
  OPALIKA® always retains its shape, regardless of the type of lamp used.

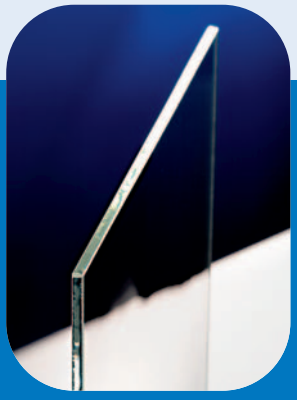
- **Non-combustible**
  OPALIKA® is completely unobjectionable in respect to the structural fire protection requirements. According to DIN 4102, OPALIKA® qualifies as a class A1 non-combustible building material.

- **Thermally tempered and shaped**
  OPALIKA® can be thermally tempered or shaped. Here, however, the differences in the viscosity behavior of the white flashed layer and the base glass must be taken into consideration. The luminous transmittance may decrease, while approaching the ideal diffusion of light, as a result of heat treatment.

Nominal thickness in mm	Tolerance in mm	Dimensions (length x width) [1] in mm x mm
2.40	± 0.30	1400 x 1600
3.00	± 0.30	1400 x 1600 2000 x 1600 2200 x 1600
3.85	± 0.35	1400 x 1600 2000 x 1600 2400 x 1600
4.65	± 0.35	1400 x 1600 2000 x 1600 2400 x 1600
5.50	± 0.50	1400 x 1600 2000 x 1600 2400 x 1600
8.00	± 0.50	2100 x 1500 2100 x 1000

Sony Style Store, Berlin, Germany

[1] *Due to the production process, the lengths specified for the panels may vary by +/- 25 mm and the widths by +100 mm/-200 mm.*



Summary

GLASSES FOR RESTORATION

Glasses for use in restoration are highly-transparent flat glasses that have a (slightly) irregular surface structure, which causes them to appear as older window glasses.

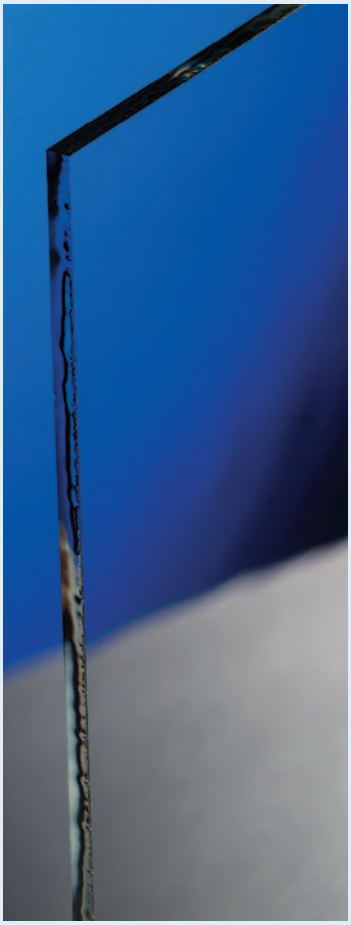
Katharinen-kirche Oppenheim, Germany

Orangerie inside Schwerin Castle

Glasses from SCHOTT ensure that historic buildings appear in their former glamor without having to sacrifice the advantages of modern workmanship.

Glass for restoration is unlike float glass in that it significantly reduces the harsh reflections that often disturb the aesthetic impressions made by historic windows. This special type of drawn restoration glass is particularly well suited for use in restored windows and in unusual light conditions due to its structure and composition.

All of the flat glasses discussed are machine-drawn, and may be processed the same way as conventional glass. They can be processed into either insulation glass or laminated safety glass. They are also available as tempered safety glass in thicknesses equal to or greater than 4 mm.



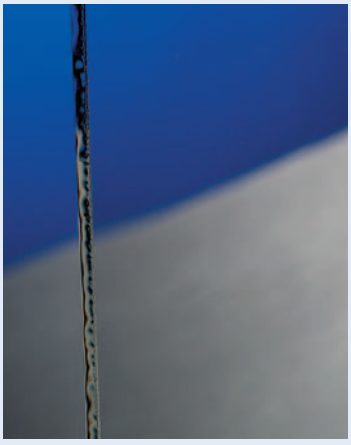
Goetheglas
(Visual impression when looking through Goetheglas)

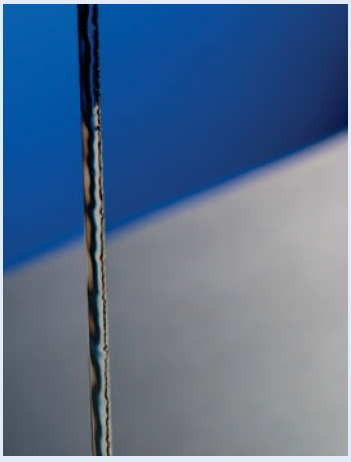
Hohenschwangau Castle

German Historical Museum, Berlin, Germany

Bauhaus University in Weimar, Germany

RESTOVER®
(Visual impression when looking through RESTOVER®)





TIKANA™
(Visual impression when looking through TIKANA™)

Goethe Glass

Thanks to its irregular surface, Goethe Glass is not only useful in restoring historic window glazing, but also for providing outdoor protection. Goethe Glass can also be used to protect precious leaded glazing from harmful environmental effects and bad weather. Due to the availability of larger glass thicknesses, Goethe Glass can also make a valuable contribution towards adding stability to casements that are to be renovated.

RESTOVER®

With its irregular surface structure, RESTOVER® resembles the window glass used in historic buildings around the turn of the century. It fits in perfectly with the historic façades of buildings. Due to the fact that it has a low thickness, this glass can be easily used with historic window frames. Its lively surface structure restores the old charm to historic buildings and allows them to reflect their former glory.

RESTOVER® is also available as **RESTOVER® Light**, which has a slightly less irregular surface than RESTOVER®.

TIKANA™

TIKANA™ was developed especially for use with Bauhaus style buildings. This glass meets functional demands in the same way that it enables a building to leave an aesthetic impression. Because it is based on old window glass, TIKANA™ fits in well with the overall appearance of a building. Its slightly irregular surface underscores the effect of the façade in a striking manner, giving it a fresh and lively look.

	Nominal thickness in mm	Tolerance in mm	Dimensions (length x width) [1] in mm x mm
Goethe Glass	4.5 8.0	± 0.50 ± 0.50	2100 x 1500 2200 x 1500
RESTOVER® RESTOVER® Light	2.75	± 0.25	1000 x 1500, 1600 x 1500
TIKANA™	4.0	± 0.25	2100 x 1600, 2400 x 1600

[1] *Due to the production process, the lengths specified for the panels may vary by +/- 25 mm and the widths by +100 mm/-200 mm.*

Advanced Materials
SCHOTT AG
Hüttenstraße 1
31073 Grünenplan
Germany

Phone: +49 (0) 51 87 / 771-544
Fax: +49 (0) 36 41 / 28 47-443
info.coloredglass@schott.com
www.schott.com/architecture

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