
SOLAR**COLOR**

Capturing and communicating
solar module design.

solarcolor.ch



Perceive and experience character.

CHOOSE YOUR COLOR

Glass surface, color, intensity:
SOLARCOLOR allows for defining and unambiguously recording all visual requirements towards solar modules.

The system

SOLARCOLOR is a system that provides for the comprehensive definition of solar modules' visual properties. It facilitates standardized costing and the transparent cooperation of architect, building owner, installer and manufacturer.

Sample boards help to demonstrate and verify the solar module's design and appearance right on site. SOLARCOLOR bridges the gap between conventional color systems and the purely technical specifications of solar modules.

The target group

SOLARCOLOR is intended for building owners, architects, designers and urban planners as well as building envelope specialists, installers and manufacturers of solar modules.

The purpose

Solar modules have become a building material. Applied to the facade, they turn into a representative shell and style-defining element that make a building's character. Defining the visual properties in a binding manner ensures consistent communication across all project phases.

Constructions that include building-integrated photovoltaics entail a certain level of complexity. Projects consist of specific stages that range from concept and precise sampling all the way to the production process required for realizing the building. SOLARCOLOR is a binding standard for all parties involved at all projects.

SOLAR**COLOR** Classic

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SOLAR**COLOR** Classic

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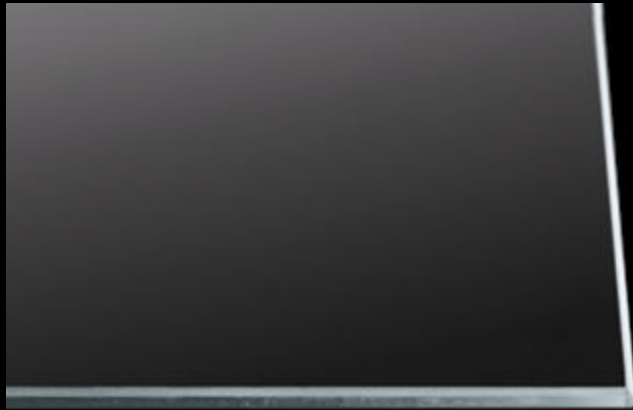
SOLAR**COLOR** Classic

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SOLAR**COLOR** Classic

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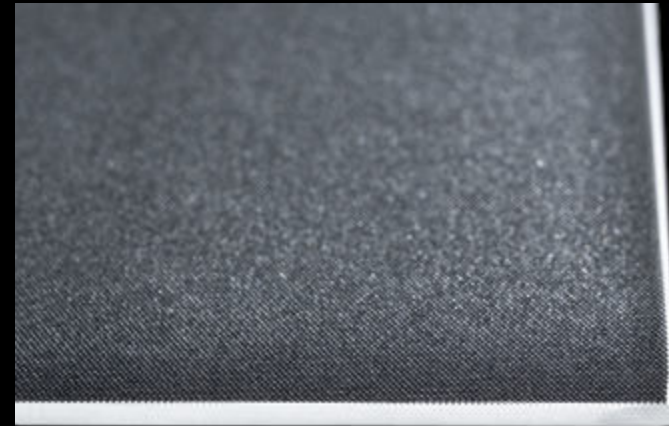
GLASS collection



MOUNTAIN LAKE

Smooth glass. Shiny surface, clearest appearance.

(A)



FJORD

Smooth glass with a light, irregular and barely noticeable structure.

(C)



FROST

Satinised glass. Calm, gentle and homogeneous.

(B)



CRYSTAL

Structured glass with a crystal-like surface. Attracts attention down to the last detail.

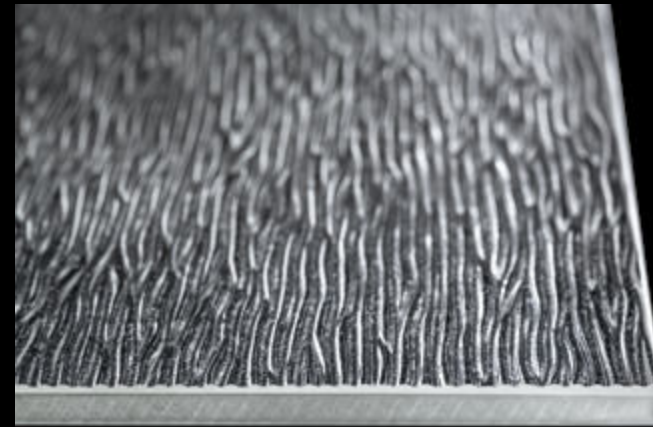
(D)

GLASS collection



GLACIER

Deep-structured glass with a rough surface.
Confident and profound character.
(E)



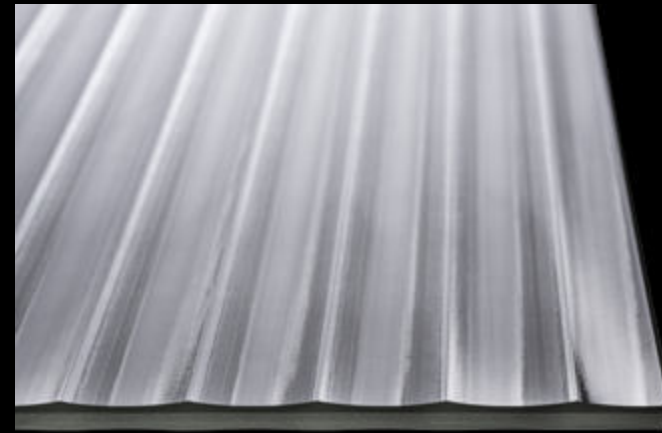
STREAM

Deep-structured glass with a slightly corrugated pattern.
Filigree, organic-looking surface effect.
(G)



CREEK

Deep-structured glass with a strongly corrugated pattern.
Visual representation of flowing vitality.
(F)



WAVE

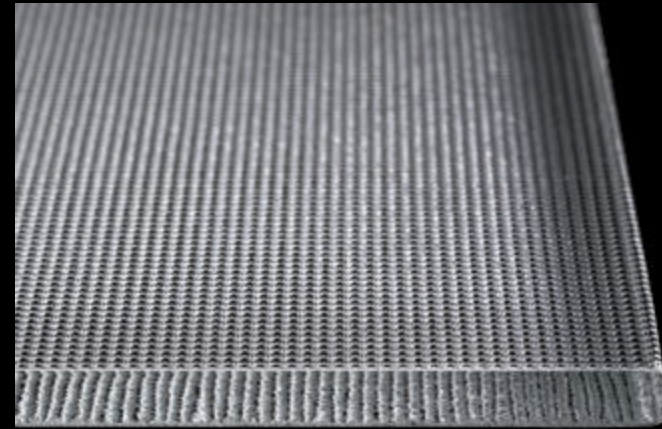
Deep-structured glass with homogeneous undulation.
Impressions of calm, powerful primal motion.
(H)

GLASS collection



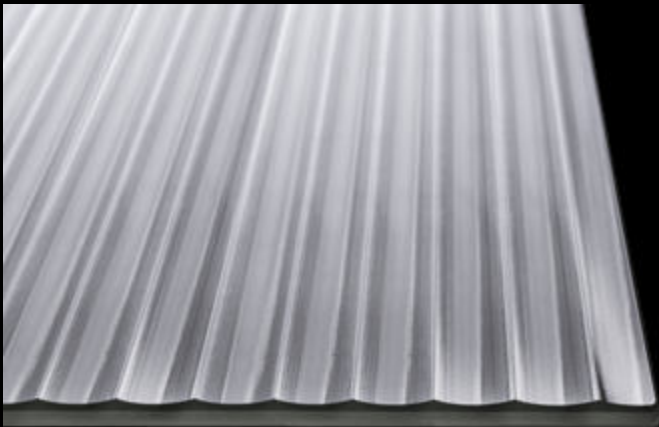
ICE DIAMOND

Deep-structured glass with glistening ore texture.
Cool and glamorous grace.
(K)



ICE MOLECULE

Deep-structured glass with fine screening.
Delicate, technoid depth effect.
(M)



RIPPLE

Deep-structured glass with short wave intervals.
Vital, precisely timed appearance.
(L)



SEASIDE

Deep-structured glass with natural shapes.
Expression of arrival and idleness.
(O)

SOLAR**COLOR** Morpho

Intensive colouring without colour pigments

SOLARCOLOR Morpho enables intensive colouring with the help of a new type of coating without colour pigments. The coating ensures targeted light refraction, which only reflects a closely coordinated component of the light. This creates the desired colour impression. Most of the light reaches the surface of the solar cell unhindered. Thanks to this narrow band of reflection, a SOLARCOLOR Morpho solar module has up to 94% of the efficiency of a conventional black solar module. The colour impression remains largely angle-stable.

Guiding star nature

The Morpho butterfly served as the inspiration for the coating. The colouring of its bright blue wings is based on the same principle: it is not colour pigments but a narrow-band reflection that produces the colour impression, which is stable over a wide range of angles.



▲ BIPV demonstration stele
Image: Fraunhofer ISE

Variety of colours

Colours: Gold, silver, bronze, terracotta, green, blue, red.

Full-surface application:

The colouring is applied exclusively over the entire surface.

Metallisé: It is possible to give the surface a special shine ("metallisé").

Available glasses: The choice of glass is free. The glasses Crystal, Fjord and Frost are exceptionally suitable for coating.

Tools

Scope of definition

SOLARCOLOR comprises all levels: color value and brightness as well as the texture and surface structure of the solar glass. The design characteristics' impact on the solar module performance is also taken into account.

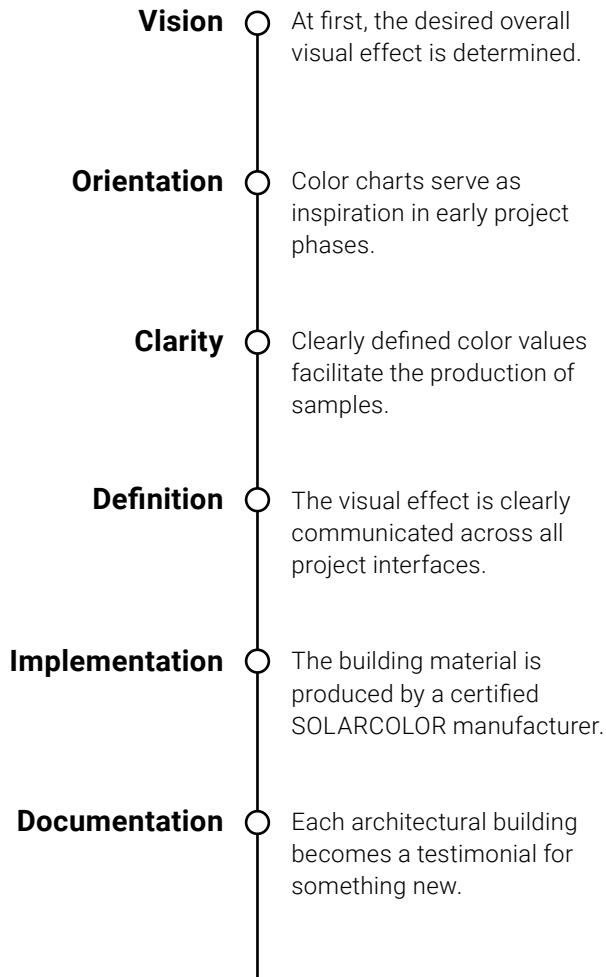
Working with SOLARCOLOR

It has never been easier to transform visions for the solar building envelope into leading design. SOLARCOLOR provides architects in particular with a tool that facilitates the professional use of color in BIPV projects.

The color charts have been designed for everybody engaged with the planning, production and realization of building-integrated photovoltaics. Once the SOLARCOLOR values have been determined online using the COLOR FINDER (solarcolor.ch/colorfinder), the sampling takes place.

Origin and background

SOLARCOLOR is an initiative created by the leading manufacturers of solar building materials. The processes that lead to the customized production of solar modules have come to maturity. The SOLARCOLOR standard grants all visionaries and designers access to well-engineered technology.



solarcolor.ch

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megasol.ch

swiss-pv.com

