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Essence collection

**Basalt gray**

Gray colors

Color code:

EG-7012 (similar to RAL 7012)


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**Electrical properties:**


145 Wp/sqm \*

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**Available products:**

 Suncol Facade  
Max: 2000 x 3000 mm  
Min: 200 x 300 mm

 Suncol Puzzle \*\*  
1100 x 730 mm  
1100 x 360 mm  
455 x 360 mm

 Suncol Tile \*\*  
1400 x 800 mm  
1400 x 440 mm  
698,5 x 800 mm  
698,5 x 440 mm

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**Available surface finishes:**

 Natural

 Cannette

 Flat

 Solar \*\*

\* Wp/sqm peak power (watts)  
per square meter

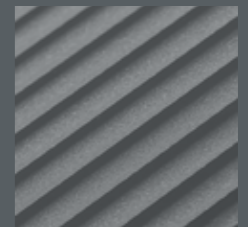
\*\* Product or surface finishes  
available only on specific  
request.


For this color we recommend  
Cannette and Flat surface,  
both available in glossy, soft-  
touch and matte effects.

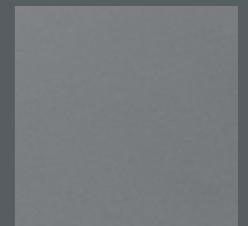
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**Recommended surface finishes:**

 Cannette



 Flat



## Certifications



Certification authorities: LL-C Certification for ISO and Kiwa Certifications for IEC

## Electrical data

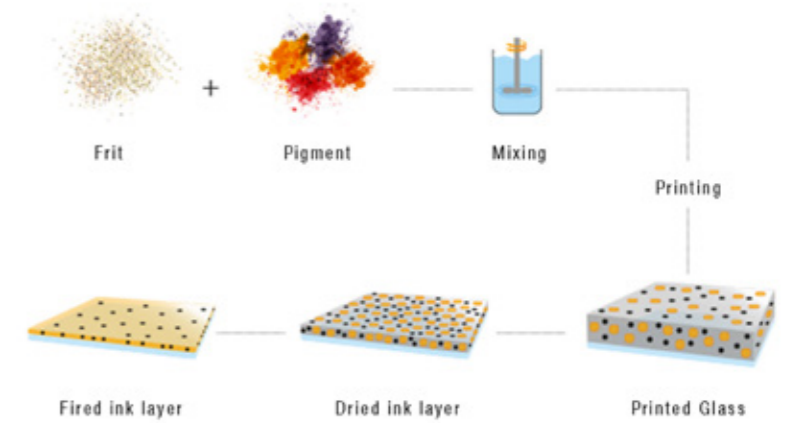
Values per sqm	
Vmp (V)	21,10
Imp (A)	6,87
Power (Wp)	145,00
Voc (V)	24,79
Isc (A)	7,26
Temp. Coeff. Isc (%/°C)	0,05
Temp. Coeff. Voc (%/°C)	-0,29
Temp. Coeff. Pmax (%/°C)	-0,40

The electrical data come from laboratory tests and will be confirmed by post-production tests.

The electrical specifications are measured under STC conditions (1000 W/sqm, 1.5 Air Mass Spectrum, cells temperature 25°C); the reference module used to set our Sun Simulator has been calibrated by SUPSI University (Switzerland). The accuracy of the given figures is a function of the calibration tolerance of the reference module and of the guaranteed performances of our Sun Simulator.

Please note that the technical data, informations and images contained here shall be for reference only. Any chromatic variations may be due to the light refraction on the glass surface.

## Coating over the time



Suncol Coating process consists in a special mineral coating on one glass side vitrified in a high temperature curing.

The color is integrated into the glass mass as a unique product for great durability. The color remains unchanged over the time.

## UV test (essence collections)

In over 5000 hours of tests (estimated as equivalent to 20 years of real exposure in central Europe) on Solar, light, UV, PV transmittance and color L\*a\*b\*, **the change in efficiency is almost nothing.**

	250 hours	1250 hours	2500 hours	5000 hours
<b>Solar transmittance</b> AM1.5, ISO9845	$\Delta E \leq 0,001$	$\Delta E \leq 0,001$	$\Delta E \leq 0,001$	$\Delta E \leq 0,002$
<b>Light transmittance</b> D65, EN410	$\Delta E \leq 0,001$	$\Delta E \leq 0,001$	$\Delta E \leq 0,001$	$\Delta E \leq 0,003$
<b>UV transmittance</b> ISO9050	$\Delta E \leq 0,025$	$\Delta E \leq 0,024$	$\Delta E \leq 0,024$	$\Delta E \leq 0,028$
<b>PV transmittance</b> AM1.5 * poly-Si	$\Delta E \leq 0,0001$	$\Delta E \leq 0,0001$	$\Delta E \leq 0,0001$	$\Delta E \leq 0,001$
<b>Photosynthetically active radiation</b>	$\Delta E \leq 0,001$	$\Delta E \leq 0,002$	$\Delta E \leq 0,001$	$\Delta E \leq 0,003$
<b>Color L*a*b*</b>				
<b>L*</b>	$\Delta L \leq 0,10$	$\Delta L \leq 0,10$	$\Delta L \leq 0,10$	$\Delta L \leq 0,2$
<b>a*</b>	$\Delta a \leq 0,04$	$\Delta a \leq 0,04$	$\Delta a \leq 0,01$	$\Delta a \leq 0,001$
<b>b*</b>	$\Delta b \leq 0,21$	$\Delta b \leq 0,20$	$\Delta b \leq 0,23$	$\Delta b \leq 0,25$

The UV data come from laboratory tests and will be confirmed by post-production tests.





**Suncol S.r.l.**

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