GUARDIAN GLASS
See what's possible™

SunGuard® SuperNeutral

SN 50 T

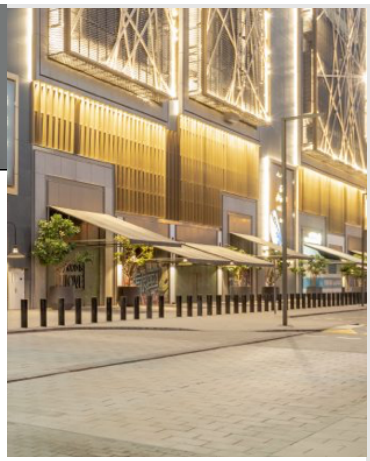
Light without the heat

Architects and building owners want high performance coated glass products that deliver abundant natural light combined with energy savings and solar protection. The Guardian SunGuard® SuperNeutral® (SN) range meets these requirements. These multi-functional coatings offer high selectivity solar protection on a neutral-looking glass (including neutral blue) for a wide range of applications such as fully glazed facades, roof glazing and large framed windows.

Project(s) Using SN 50 T

Add to Compare | Download Brochure | •••





[Dubai Mall Zaabeel Expansion and Bridge]

Retail store / shopping center

Dubai, United Arab Emirates

Ask CLARIA

Usage Guide

Welcome to Claria™, a generative AI-powered assistant!
Please remember:

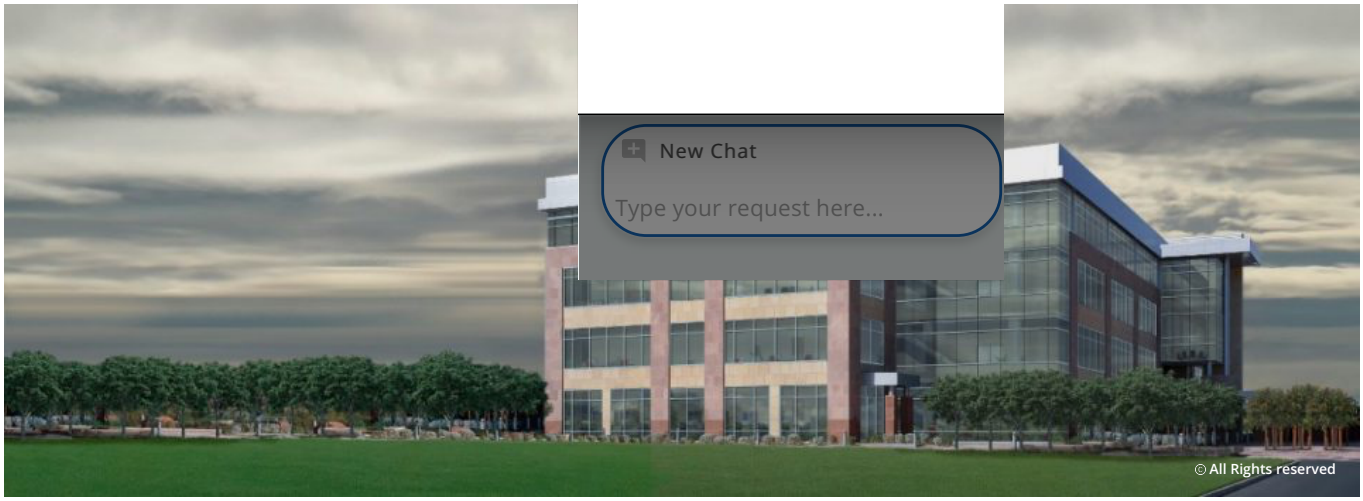
By proceeding, you acknowledge the recording and use of your information by Guardian (and its authorized third parties), agree to our Terms, and have read our Privacy Policy.

AI is not a replacement for human judgment and critical thinking.

AGREE AND CONTINUE TO GUARDIAN CLARIA AI ASSISTANT

New Chat

Type your request here...



Product information

SUBSTRATES

Clear 3-12 mm

APPLICATIONS

MANUFACTURING OPTIONS

RECOMMENDED COATING POSITIONS

MAXIMUM SIZE

EDGE DELETION

GLASS TYPE

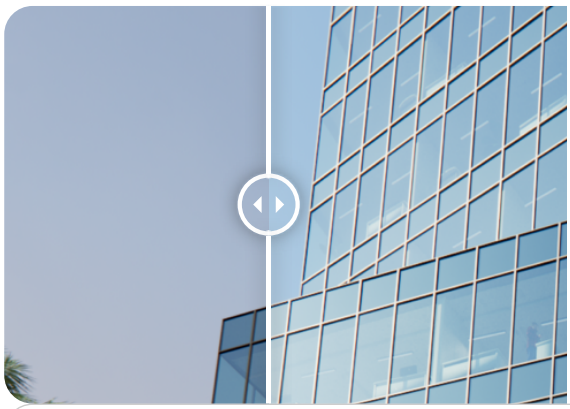
GLASS FUNCTIONS

FABRICATION OPTIONS

APPEARANCE

Visual Appearance

Use the Glass Visualizer to get an introductory understanding of how glass will appear in use.
Use the Glass Analytics tools to explore even more options for color and performance.



Left Glass

SKY CONDITIONS

Save left selection as PDF | Change to close view

Golden Hazy Sky

You need more information and additional mockups? Consult our Glass Visualizer Tool:

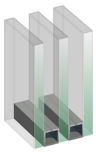
Launch Glass Analytics

Performance data

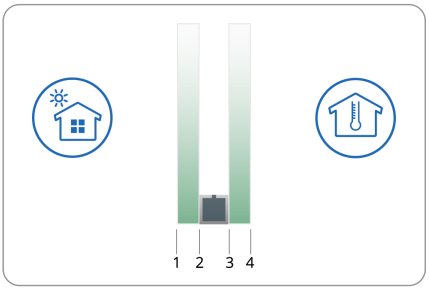
The glazing make-up suggestions below are pre-defined to provide examples of commonly used combinations of products. There are many other glass combinations available at Glass Analytics.

Default Performance Data | Performance Calculations


Double Glazed


Triple Glazed

Double Glazed



GLASS: Guardian Clear Glass (Middle East & Africa) Glass, 6mm (2-SunGuard® SN 50 T (Middle East & Africa))
GAP: 100% Air 12.0mm
GLASS: Guardian Clear Glass (Middle East & Africa) Glass, 6mm

Calculated Values are in accordance with NFRC2010

Performance Values ?

VISIBLE LIGHT

Transmittance (τv)	48 %
Reflectance outside (ρv)	13 %
Reflectance inside (ρv)	17 %
General Color Rendering Index (CRI)	89.7

ULTRAVIOLET

Transmittance UV (τuv)	20 %

SOLAR ENERGY

Solar transmittance (τe)	22 %
Reflectance outside (ρe)	36 %
Reflectance inside (ρe)	39 %
Solar absorptance (αe)	42 %
Solar Heat Gain Coefficient (SHGC)	0.26
Shading Coefficient (sc)	0.30

THERMAL PROPERTIES

Winter night U-Value	1.629 W/m²·K
Summer day U-value	1.565 W/m²·K

LIGHT TO SOLAR GAIN

Light to Solar Gain (LSG)	1.82

EMBODIED CO_2

[eq. kg/m²] A1-A3	39.35

Can't find the glass make-up you are looking for? Go to Glass Analytics for more detailed configurations:

Launch Glass Analytics

FABRICATORS | GLAZIERS

Find a fabricator

Search by location Search by name

Search supplier location

Fabricator ×

Add filters

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AL AIN MODERN GLASS AND ALUMINIUM CO +

IMPALA GLASS +

SHIN

66 results

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- Our glass
- Insights

- Commerce & Service Portal

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