

EFG VISIONCOOL Series

Solar Control Magnetron Sputter Coated Float Glass



الإمارات للألواح
الزجاج المسطح
EMIRATES FLOAT GLASS



SCAN
CONNECT
DISCOVER

Features & Benefits

01

True Colors due to
Low External Reflection

02

Clear and Neutral view
from Inside due to high Color
Rendering Index

04

Wide Range of thickness
and Sizes for
Customized Solutions

05

Low Internal
Reflection Eliminates
Mirror Effect,
thereby ensures
Clear Vision

07

Color Homogeneity for
Varying thickness of
VISIONCOOL Glass used

03

Consistent Supply due
to Neutral Substrates

06

Local Availability
for LEED Projects

Emirates Float Glass VISIONCOOL

Solar Control Magnetron Sputter Coated Float Glass

EFG Product	Visible Light			Colour Redering Index(Ra)	Solar Energy		EN 410/673		NFRC 100 : 2010 (Summer Day)					
	Transmission (VLT)	Ref Out (Ro)	Ref in (Rin)		Direct Trans-mission (Te)	Refle-ction Out (pe)	Solar Factor (g-Value) EN 410	U- value 6-12mm Air-6mm (W/Sq. Mtrs/Kelv)	U- value 6-16mm Air-6mm (W/Sq. Mtrs/Kelv)	U- value 6-12mm Air-6mm (W/Sq. Mtrs/Kelv)	U- value 6-16mm Air-6mm (W/Sq. Mtrs/Kelv)	Solar Heat Gain Co-Efficient (SHGC)	Shading Co-Efficient (SC)	Relative Heat Gain (RHG) W/ Sq. Mtr/ Kel
EFG VISIONCOOL on #2 - Airspace - 6mm EFG NE 80 Clear Low E Glass (Double Glazed Unit)														
VISIONCOOL Grey	22	5	13	95	14	8	0.24	1.65	1.40	1.61	1.36	0.24	0.27	181
VISIONCOOL Dark Grey	11	15	14	96	7	27	0.24	1.62	1.45	1.62	1.37	0.14	0.16	111
VISIONCOOL Blue	17	13	15	95	11	11	0.20	1.65	1.41	1.61	1.36	0.20	0.23	153
VISIONCOOL Bronze	16	10	11	95	10	14	0.17	1.65	1.41	1.61	1.36	0.18	0.21	141
VISIONCOOL Green	20	13	12	93	13	10	0.22	1.65	1.41	1.61	1.36	0.22	0.25	170
VISIONCOOL Gold	22	21	16	95	15	21	0.23	1.65	1.41	1.61	1.36	0.23	0.26	176

EFG VISIONCOOL on #2 - Airspace - 6mm EFG Vitralite Clear Float Glass (Double Glazed Unit)														
VISIONCOOL Grey	23	6	13	94	18	8	0.28	2.50	2.40	2.49	2.35	0.30	0.35	239
VISIONCOOL Dark Grey	12	15	14	97	9	26	0.32	2.33	2.2	2.38	2.23	0.18	0.21	151
VISIONCOOL Blue	19	13	15	94	14	10	0.23	2.40	2.20	2.40	2.25	0.25	0.29	200
VISIONCOOL Bronze	17	10	11	94	13	14	0.21	2.42	2.26	2.41	2.27	0.23	0.27	188
VISIONCOOL Green	21	13	12	92	17	9	0.26	2.46	2.31	2.45	2.31	0.28	0.32	222
VISIONCOOL Gold	24	22	16	96	19	21	0.27	2.48	2.33	2.47	2.33	0.29	0.33	229

EFG VISIONCOOL on #2 - Monolithic / Single Glazing Glass														
EFG Product	Visible Light			Colour Redering Index(Ra)	Solar Energy		EN 410/673		NFRC 100 : 2010 (Summer Day)					
	Transmission (VLT)	Ref Out (Ro)	Ref in (Rin)		Direct Trans-mission (Te)	Refle-ction Out (pe)	Solar Factor (g-Value) EN 410	U- value W/Sq. Mtrs /Kelv	U- value W/Sq. Mtrs /Kelv	Solar Heat Gain Coefficient (SHGC)	Shading Coefficient (SC)	Relative Heat Gain(RHG) W/ Sq. Mtr/ Kel		
VISIONCOOL Grey	26	5	7	96	23	8	0.39	4.90	4.0	0.40	0.46	322		
VISIONCOOL Dark Grey	13	15	7	98	11	26	0.48	5.5	3.8	0.26	0.30	219		
VISIONCOOL Blue	21	13	9	95	17	10	0.32	4.70	3.8	0.34	0.39	278		
VISIONCOOL Bronze	19	10	4	95	15	14	0.31	4.70	3.8	0.32	0.37	264		
VISIONCOOL Green	24	13	5	93	20	9	0.36	4.80	3.9	0.38	0.43	304		
VISIONCOOL Gold	27	21	11	95	20	11	0.36	4.80	4.0	0.37	0.42	303		

VISIONCOOL Processing Guidelines

PRODUCT	MONOLITHIC	HEAT TREATMENT	LAMINATION	NO EDGE DELETION	CERAMIC FRIT	SHELF LIFE
EFG VISIONCOOL SERIES	✓	✓	✓	✓	✓	12 MONTHS

Notes/Disclaimer

All the above NFRC 100-2010 calculations are made as per LBNL Windows 7.8 Simulation. Software of IGDB & EN410-EN673 calculations are based on Simulation Software developed by OMT Solutions BV, Netherlands. EFG Reserves the right to change Product Performance without Notice or obligation. May require Heat Treatment to resist Thermal stress. EFG VISIONCOOL Products are Available on Vitralite Clear Substrate. However it is also available on Tinted Substrates on Specific Request.

Please contact EFG Sales Team for further details or mail to us sales@efgme.com

Get In Touch



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