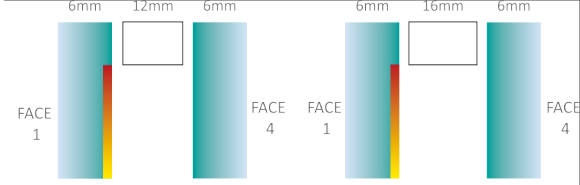
EMICOOL ® DSR SERIES — PERFORMANCE DATA

High Performance Temperable Low-E

24mm Double Glazing (6+12+6mm) Insulating Glass Unit
28mm Double Glazing (6+16+6mm) Insulating Glass Unit



PRODUCT DESCRIPTION		Visible Light			Solar Energy										U-Values (W/m².K)						RHG (NFRC)
		LT%	LR%		ET%	ER%	European EN410				American NFRC*				European EN673		American NFRC*				W/m2
							g - value		SC		SHGC		SC				Winter		Summer		
Coating	Substrate		Ext	Int			12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	12mm air	16mm air	
		1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
DSR I	Clear	23	36	22	13	36	19	18	0.22	0.21	0.18	0.18	0.21	0.21	1.65	1.41	1.70	1.74	1.66	1.42	145
DSR II	Clear	29	35	18	16	38	22	22	0.25	0.25	0.21	0.21	0.24	0.24	1.61	1.36	1.67	1.71	1.62	1.36	164
DSR III	Clear	34	35	18	19	37	25	25	0.29	0.29	0.24	0.23	0.28	0.27	1.64	1.38	1.68	1.73	1.65	1.39	189

MEASUREMENTS: Measurements are done at Emirates Glass Laboratory using Perkin Elmer spectrophotometers comprising "Spectrum on FT-IR" for measurement of surface emissivity and "LAMDA 900 UV/Vis/NIR" for measurement of spectral transmission.

INPUT DATA: Input data are given in accordance with boundary conditions established in Europe and North America as follows:

Spectral and Optical : Values are calculated according to:

EUROPE – EN 410 (AIR MASS = 1.00: SOLAR ELEVATION = 90°)

USA – NFRC 300/200 (AIR MASS = 1.50: SOLAR ELEVATION = 42°)

Thermal Insulation : U-Values are calculated according to:

EUROPE - EN 673

USA - NFRC 100

TOLERANCES: The above data represent nominal values based on center-of-glass measurements and take no account of IG spacers or framing. Furthermore, the data are based on representative samples of factory production, but actual samples may vary slightly due to manufacturing tolerances as well as the type of instrumentation and calibration used by 3rd parties to measure the spectral and thermal insulation values.
A slight shift in visible light transmittance or reflectance may be noticed after heat treatment.

NOTE: Edge Deletion - MSVD Low E coatings applied to architectural float glass contain silver which, if the edge is exposed to humidity, can potentially cause failure of the insulating unit seals. Low E coatings containing silver and double silver products must therefore always be edge deleted prior to the application of primary and secondary sealants in order to maintain the integrity of the unit.
Emirates Glass reserves the right to change product performance characteristics without notice or obligation.