

Difference between Single silver low-E, double silver low e and triple silver low e

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Soft coated low e glass is widely used in modern glass curtain wall. But many designers and owners doesn't know clearly the difference between single silver low e ,double silver low e and **triple silver low e**.



Here we introduce several main difference to help you identify the different **low e coating**.

1.LSG. LSG is the ratio between the glass light transmittance and SHGC.

Double silver low e has relatively lower SHGC than triple silver low e based on same light transmittance.

The LSG of single silver low e is around 1.4, while double silver one can be over 1.6-2, triple silver low e LSG can reach 2.2 or even more.

Which means that under the same light transmittance, the double silver low e and triple one can reach lower SC value and transfer the lighting to cold light, low e U value performance

No.	Glass option	Visible Light			Solar Energy		U value(W/2.K)		SC	SHGC
		LT %	Ref %	In %	Tsol %	Rsol %	Summer	Winter		
1	6MWSE0160+12A+6	53	19	11	33	25	1.84	1.84	0.44	0.38
2	6MWDE0156+12A+6	51	15	19	24	32	1.54	1.61	0.32	0.28
3	6MWTE0158+12A+6	52	14	19	26	39	1.55	1.62	0.29	0.25

2.U value.

Single silver low e value is about 1.7-1.85.

Double and triple silver low e U value is around 1.5-1.65 with better thermal insulation performance.



3.Price.

Double silver low e glass is about USD3-4/SQM higher than single one ,and triple silver low e is about USD10/sqm higher than double one.

But the cost performance for triple one is not good,so in most cases we recommend double one and the best cost performance low e for glass facade.

Morn is your turnkey low e **double glazed units** supplier,we offer comprehensive low e coating with different performance data to meet your project requirement.

Hard coated low e VS Soft coated low e

Low E glass processing instruction

Low-e coated tinted glass-advantage and disadvantages

Low-e glass introduction

The defects of coated glass and solution

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Low-e coating position:Surface #2 VS surface #3



QINGDAO MORN BUILDING MATERIALS CO.,LTD

Your turnkey China tempered glass/laminated glass/insulated glass supplier

Tags: double glazed units supplier, double silver low e, glass curtain wall, glass light transmittance, low e coating, low e U value, Single silver Low-E, Soft coated low e, thermal insulation performance, triple silver low e, U value

About Morn Building Materials:

Morn Building Materials Co.,Ltd is trading company offering the right facade materials for a wide range of applications for architectural,design and system requirements.Cooperating with China premium glass fabricators,Morn is able to supply whatever glass products applied in facade,Spandrel ,roof ,handrail,partition,balustrade,canopy,greenhouse,sun room ,interior exterior application.

Other facade materials:Aluminium alloy profiles,aluminium plates,aluminium windows&doors,Assa Abloy hardware,spider fitting,railing systems,shower rooms,polyurethane panels,machines&tools,steel structure, are also available since 2019.

From aesthetics, to strict environmental and energy specifications, to critical budget and delivery requirements, our input can make a difference.

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