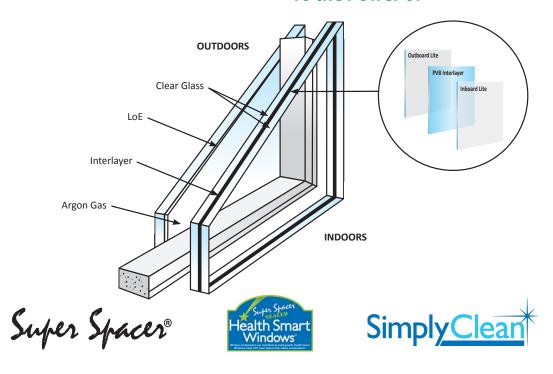


SSP GLASS PACKAGE

To the Power of ³



SSP GLASS TO THE POWER OF 3

Security

• SSP glass is the safety glass of choice for commercial institutions such as banks.

Sound Reduction

 When combined with Super Spacer®, SSP glass provides one of the best sound reduction package in the market.

Performance

• When SSP glass is combined with LoE, the improvement in U and R value are at a new level of performance.





Security



- Burglars are 12 times less likely to try and break and enter through a window that has SSP glass.
- 10 times stronger than regular unnealed glass.
- Provides peace of mind.
- Even after breakage, SSP Glass remains intact.

Sound

- STC or Sound Transmission Class which represents a class that assigns the noise property reduction value of a material type.
- The higher the STC value, the better the material is at reducing sound.

Glass Combinations	STC RATING
3mm peace of monolithic glass	30
Insulating glass 3mm-3/8" Airspace-3mm	31
6mm laminated glass (3mm-PVB-3mm)	35
Triple glass (3mm-3mm-3mm)	33
6mm laminated insulating /1/2" Air Space/3mm	39



Sound Reduction

• The table below measures in the improvement in sound reduction using the different glass types with Vinylbilt Super Spacer®

		Sound Reduction Through**			
Noise Source	Normal Sound Rating	STC Rating 31*	STC RATING 35*	STC RATING 39*	
	STD VALUE	Typical Dual Glazed Window	Typical Triple Glazed Window	Vinylbilt SSP Package***	
Local City Traffic	80	Electric Shaver	Person Speaking	Quiet Home	
Heavy Highway Traffic	100	Inside a Car Vacuum Cleaner		Normal Conversation	

Based on data provided by Riverbank Acoustical Laboratories.

Performance

Glass Type	Visible Light	SHGC	U Value	R Value	UV Protection
Dual Pane Clear	82	0.76	0.48	2.08	56%
Dual Pane Regular LoE	80	0.69	0.26	3.84	49%
Triple Pane Regular LoE	73	0.61	0.25	4.02	76%
SSP with Regular LoE	65	0.54	0.19	5.15	98%

^{*25%} improvement in R value.

Vinylbilt Windows & Doors Corp.

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^{**} Based on data provided by Sonic Studio Handbook.

^{***} Based on glass data.