



EAGON Super Vacuum Glass



In Chamber



Exceptionally
reliable performance



Replacing triple
pane glass

Structure

Upgrade your standard of the Glazing



Eagon makes VIG in vacuum condition chamber. Unlike the current technology which is blown out air through holes between glasses.

Evacuated layer between glasses blocked fundamentally thermal transfer and sound caused by conduction and convection.



Thin and slim design

| | 'Double Window' Double pane glass | 'Single Window' EAGON SUPER VIG Plus |
|-----------------------|--|--------------------------------------|
| Glazing | | |
| Thermal transmittance | 0.77 W/m ² K | 0.44 W/m ² K |
| Thickness | 144.00 mm 5T+12A+5T+100mm+5T+12A+5T | 27.25 mm 5T+12A+5T+0.25Va+5T |
| Weight | 51 kg/m ² | 38 kg/m ² |

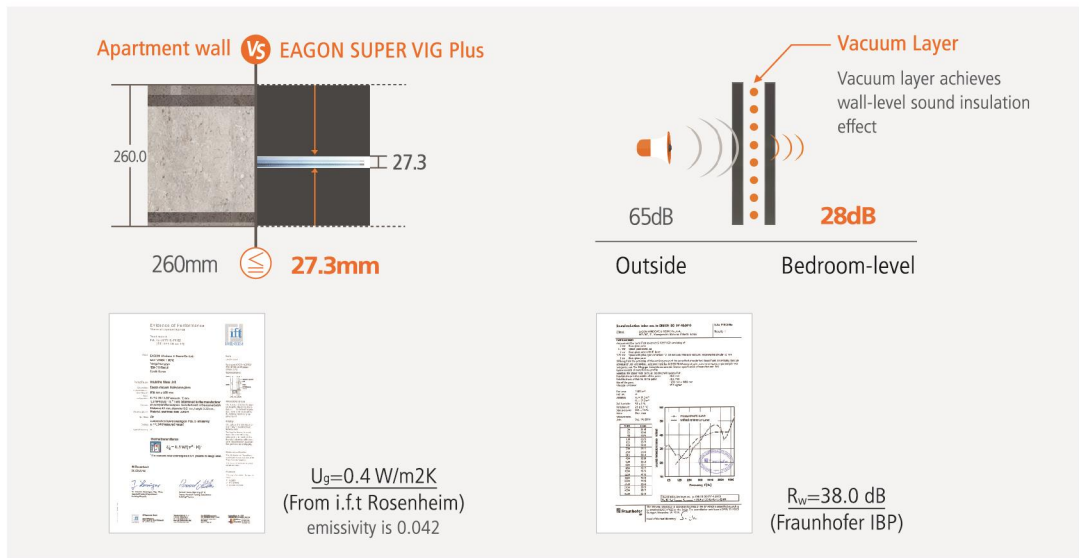
Performance

Optical data

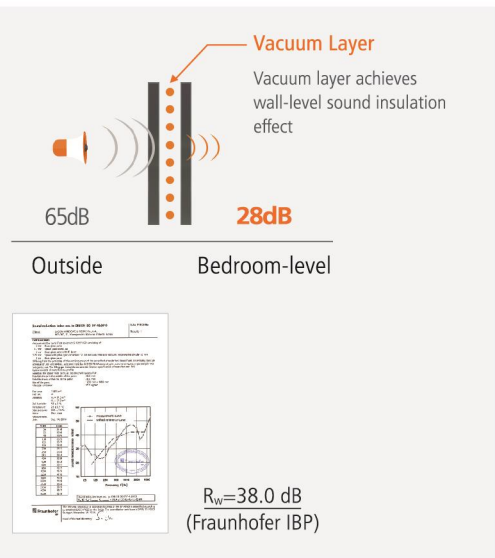
| | T_{vis} | SHGC | U_g | Thickness |
|----------------------|-----------|------|-------|-----------|
| EAGON SUPER VIG | 0.70 | 0.47 | 0.40 | 10.3 mm |
| EAGON SUPER VIG Plus | 0.63 | 0.40 | 0.36 | 27.3 mm |

- ※ The result is calculated by LBNL Window 7.4
- ※ The applied low-e glass is SSG Planitherm One (Emissivity is 0.022)
- ※ All optical results can be changed according to characteristic of low-e glass

Thermal Insulation



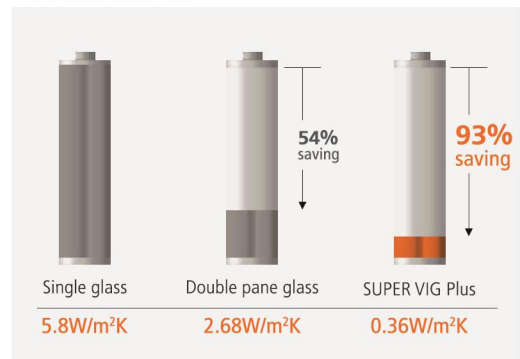
Sound Insulation



Condensation Prevention



Energy saving



Differences from other VIG

| | SUPER VIG (Tip less) | Other products |
|---------------------|-----------------------------|-----------------------------|
| Cap Structure | | |
| Sealing | Vacuum condition | Atmospheric pressure |
| Exhaust | In chamber | Pumping |
| Vacuum Level | 10^{-6} torr | 10^{-3} torr |
| Thermal Performance | $0.3 \text{ W/m}^2\text{K}$ | $0.8 \text{ W/m}^2\text{K}$ |

Reference

Hwa-cheon Dam Management Facility



Certified Passive House Classic
 Glazing : EAGON SUPER VIG PLUS / $U_g = 0.4 \text{ W/m}^2\text{K}$ / $g\text{-Value} = 0.56$

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