SOUTHWALL from USA Product

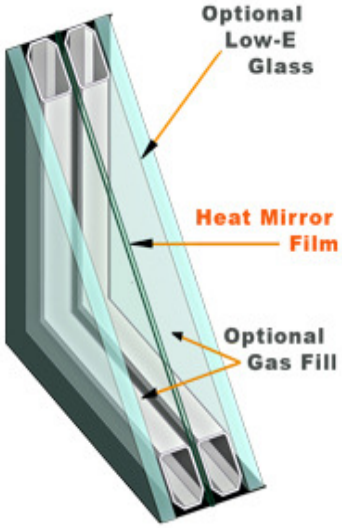
Residential

Heat Mirror Insulating Glass

Heat Mirror® insulating glass incorporating Heat Mirror films coated by Southwall Technologies was the world's first commercially produced low-e glass. Since 1980, Heat Mirror insulating glass has been used around the world in structures ranging from single family homes to high profile projects for Fortune 500 companies. Click Here to see how this innovative technology has been recognized in the news for its oustanding contributions to the environment though the highest level of sustainable design.

Southwall manufactures 12 different coated films which are suspended in the middle of an insulating glass unit to create multiple insulating cavities, creating industry leading performance.

Heat Mirror film technology utilizes nanoscale coatings of metal which reflects heat back to its source, hence the name: Heat Mirror, a mirror to heat.



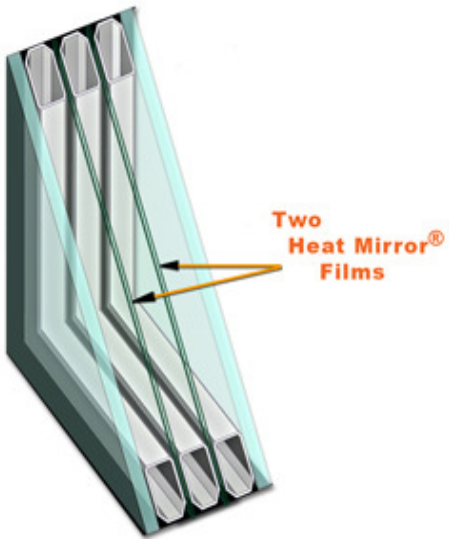
Coated Heat Mirror films are often used in conjunction with low-e glass, taking advantage of the benefits of both film-based coatings and glass based technologies. Inert gases, such as argon or krypton, are added to create Heat Mirror insulating glass units with industry leading performance. Outstanding winter insulation and superior solar control provide year-round savings and enhanced comfort.

In addition, Heat Mirror's UV protection helps protect furnishings from fading, while Heat Mirror's noise reduction maintains a quiet internal environment.

With an optional Krypton gas filling, single-film/dual-cavity Heat Mirror Insulating Glass can achieve a U-value of 0.10 (R-value of 10).

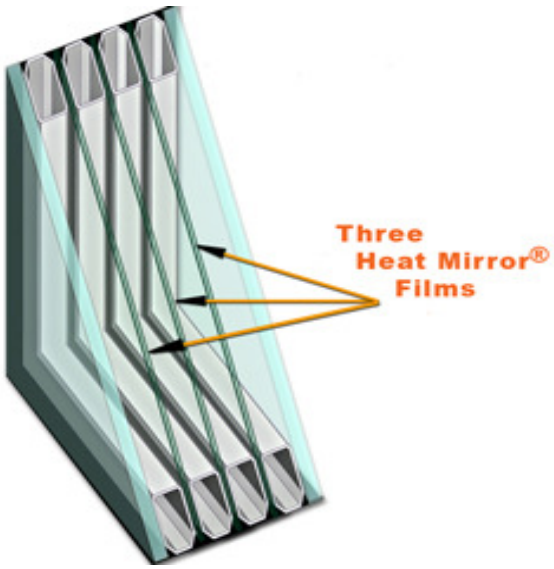
Dual-Film/Tri-Cavity

Because film is essentially weightless, a second Heat Mirror film can be added for even higher insulating performance. With an optional Krypton gas filling, dual-film/tri-cavity Heat Mirror Insulating Glass can achieve a U-value of 0.08 (R-value of 12.5).



Tri-Film/Quad-Cavity

Heat Mirror Insulating Glass using three Heat Mirror films suspended inside of an insulating glass unit, creating four air spaces, is the most energy-efficient glazing product in the world. With an optional Xenon gass filling, tri-film/quad-cavity Heat Mirror Insulating Glass can achieve an industry-leading U-value of 0.05 (R-value of 20).



For home owners with demanding applications, or for those who want the best, Heat Mirror is the clear choice.

Benefits

- Superior insulating performance reduces energy costs and enhances comfort
- Superior solar shading reduces expensive cooling costs
- UV protection helps reduce fading
- Noise reduction reduces noise pollution