

Barrier Coat

Heat insulation coating for glass

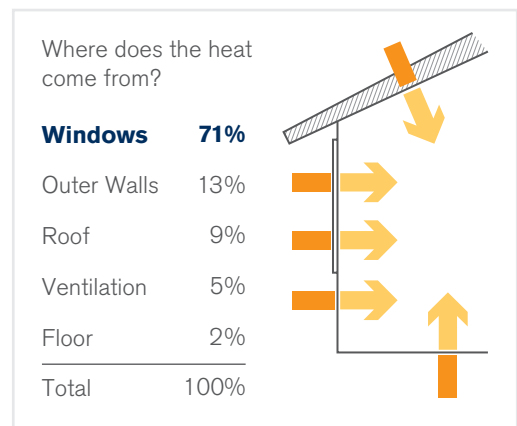
Xylene free, Absorbs UV rays and reflects infrared rays

Windows are indispensable in any type of building, including office buildings, commercial buildings, shops, and residences. They bring in natural lights, enhance and open up spaces, and can be used to display products or to create a stylish image. However, along with visible light, sunlight also contains harmful rays such as ultraviolet and infrared light. Ultraviolet rays damage our skin and cause the discoloration and fading of furniture and commodities. Infrared rays cause a temperature increase in

homes and offices as objects absorb and radiate heat. Barrier Coat is an energy and cost saving product that drastically blocks these ultraviolet and infrared rays and reduces the use of air-conditioning. It is more reasonable than replacing all of your windows and is easy to install with professional help. Once your windows are coated with Barrier Coat, it is expected to remain for over 10 years, resulting in savings year after year.

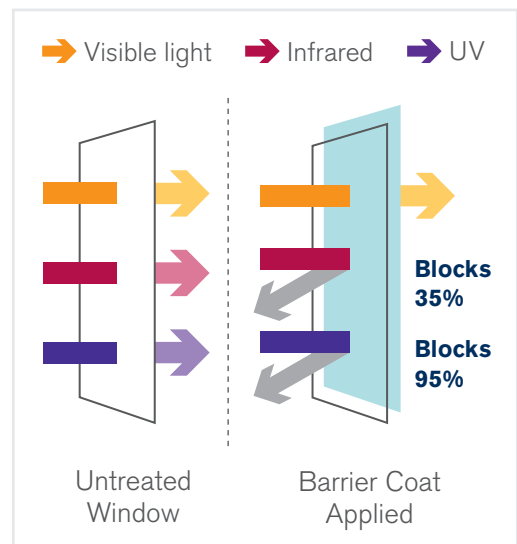
Protect your windows

Protecting your windows is essential to cool off your office or home because 71% of the heat in a building enters through the windows, as shown in the diagram on the right. Preventing this heat from passing through your windows helps to create a more comfortable and productive environment to work in. In addition, Barrier Coat is environmentally and economically friendly because it encourages less air-conditioner use by lowering the room temperature.



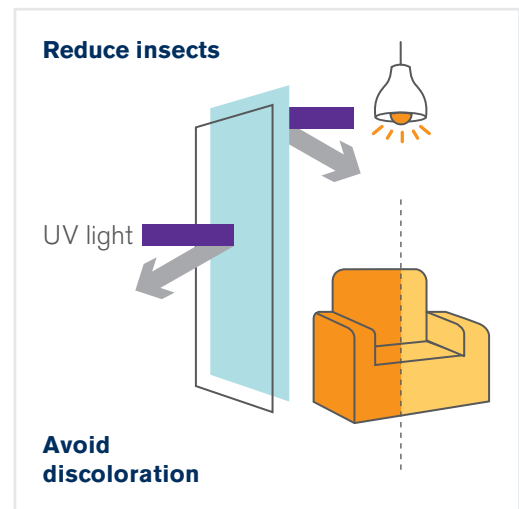
Reduce heat and save money

Barrier Coat blocks 35% of the infrared light and 95% of the ultraviolet light while maintaining the same level of visible light. Heat is delivered through the infrared waves. Therefore, by reducing the amount of infrared light that penetrates, the room temperature drops by 2 to 5 degrees Celsius. *By raising the setting for your air-conditioner by one degree, you can lower your electric bill by \$25 a year. Low E glass is another effective solution to prevent heat and UV damage. Yet, Barrier Coat will only cost one-third of the amount needed to replace your windows. *From Energy



Protect against UV damage

Ultraviolet radiation is known to cause problems related to skin conditions and diseases. Moreover, it also causes fading and deterioration in your valuables. Direct contact with sunlight can easily damage your home interior, from the carpet to furniture to artwork, or even commodities displayed in a storefront. As previously mentioned, Barrier Coat blocks 95% of the UV radiation. It will also reduce the presence of insects, which have the habit of being drawn to UV radiation and swarming around lights.



Smooth and clear surface

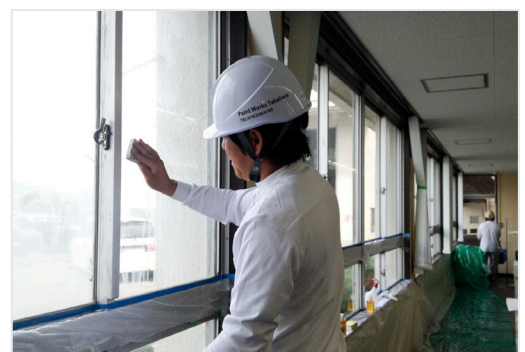
The coating is optically transparent. Hence, your outside view will be as clear as always after its application. It will also allow you to keep the blinds up and work in beautiful natural light, with no need to worry about extra energy costs for lighting. Its smooth surface with no bumps or gaps allows the coating to remain unnoticed while you enjoy the view and sunlight.



A meeting room at a house in Negara, Bali, after all glasses in the four surrounding walls were coated

Weather-resistant and long lasting

After Barrier Coat has completely dried and hardened, it creates a tough surface, equivalent to a 4H pencil lead. This means that pencils, or other objects, softer than 4H will not affect the surface. Hence, you can clean the windows as usual after the application with no need to worry about scratching or peeling off the coating by accident. Its hard surface also makes Barrier Coat highly resistant to weather and allows it to last for approximately 10 years.



Our painter removing an oil spot before applying Barrier Coat to the windows of an office building



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