GLOBAL®
Window Films

Make Your Home A Showplace
DAY AND NIGHT

Ceramic Dual Reflective

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There's a reason dual reflective window films are more popular than ever for both homes and businesses. They reduce annoying interior reflectivity for improved nighttime views. And Ceramic Dual Reflective is the professional quality choice for design-conscious consumers. What's more, these premium architectural window films provide impressive solar performance, compatibility with dual-pane insulated glass, and come with a residential lifetime limited product warranty*. So let your windows reflect your good taste - and nothing else.

State-Of-The-Art Technology

Ceramic Dual Reflective, also known as CDR, is manufactured using the highest quality raw materials and state-of-the-art nano ceramic technology. This produces a window film with superior solar energy rejection performance, durability and beauty. What sets CDR apart from traditional architectural window films is that it is engineered for low inside reflectivity at night. So you can enjoy the view from your windows, even when the sun goes down.

Solar Energy Rejection And Safety In One Superior Product

Whatever your reason for choosing window film, Ceramic Dual Reflective delivers. CDR window films offer impressive solar energy rejection, helping to save on energy costs and improve occupant comfort. CDR is also safe for today's dual-pane insulated glass. Plus, its 2-ply construction provides an extra level of protection in case of impact; CDR can help minimize damage from flying glass and, depending on the severity of impact, can even help hold broken pieces together until repairs are made.

Benefits

- *99% Ultraviolet Rejection*
- *Increased Protection From Fading*
- *Outstanding Solar Energy Performance*
- *Low Nighttime Inside Reflectivity*
- *5 Performance Shades To Choose From*
- *Beautiful Color Stable Charcoal Tone*
- *Advanced Nano Ceramic Construction*
- *Dual-Pane Insulated Glass Unit Safe*
- *Time Tested, Ultra Clear Dry Adhesive*
- *Scratch Resistant Extends Product Life*

Increased Protection From Fading

Ceramic Dual Reflective window films reject almost 100% of damaging, harmful ultraviolet (UV) radiation. This not only protects building occupants, but also helps reduce fading of carpets, draperies and other furnishings. It is however, important to understand that no window film can totally prevent or stop fading.

Factors That Contribute To Fading

- Ultraviolet
- Visible Light
- Solar Heat Energy
- Humidity And Moisture
- Indoor Artificial Lighting
- Chemical Vapors In The Air
- Poor Dye Quality Of Materials

While other factors also contribute to fading, ultraviolet (UV) is responsible for roughly 40% to as much as 60% of the problem.

Your Local Professional Makes It Easy

When you choose Ceramic Dual Reflective film, you get the expertise and experience of a solar control professional working for you. From start to finish, the process couldn't be easier. Your dealer will inspect and measure your windows, help you choose the best film for the job, and provide you with a clear and complete estimate.

On your scheduled installation date, your dealer will provide an effortless installation. When the job is complete, you'll receive care and maintenance tips to ensure the beauty of your windows for years to come.

Coverage You Can Trust

- Residential Lifetime Limited Product Warranty*
- Factory Backed Coverage
- Includes Product & Labor*
- Dual-Pane Insulated Glass Unit Safe*
- Coast-To-Coast Warranty Service Dealer Network

**See Express Window Films warranty certificate #7300 & #7320 for coverage details.*

Beautify Any Building

Once installed, Ceramic Dual Reflective gives your windows a beautiful charcoal tone. The CDR product series consists of five popular shades (VLTs) designed to meet the needs of most residential and commercial applications. Your dealer will assess your needs, and help you select the perfect Ceramic Dual Reflective film.

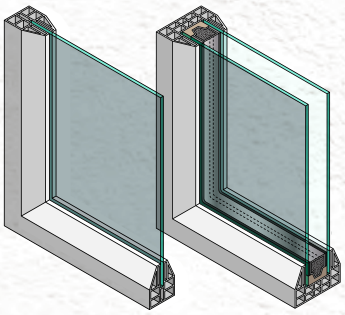
Description	VLT	TSER	UVR	GR	VLR-I	VLR-E
Ceramic Dual Reflective 45	45	51	>99	51	13	15
Ceramic Dual Reflective 35	35	58	>99	61	14	25
Ceramic Dual Reflective 25	23	69	>99	74	17	40
Ceramic Dual Reflective 15	15	75	>99	84	21	47
Ceramic Dual Reflective 05	7	82	>99	92	14	65

VLT = Visible Light Transmission
TSER = Total Solar Energy Rejected
UVR = Ultraviolet Rejection
GR = Glare Reduction
VLR-I = Visible Light Reflectance (Int)
VLR-E = Visible Light Reflectance (Ext)

Published values are representative of typical production runs and are subject to normal manufacturing tolerances within industry standards. Ask your dealer for a full display of product specifications.

Safe For Most Popular Window Types

Ceramic Dual Reflective window films are safe for most popular types of windows.

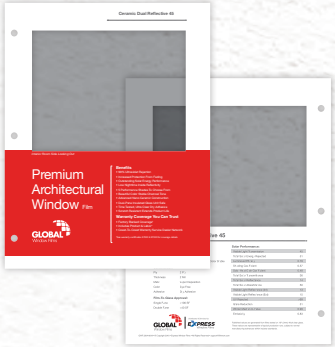


Single-Pane

Clear, Tinted & Tempered <100 SF

Dual-Pane IGU

Clear, Tinted & Low-E <40 SF



Film Sample Page

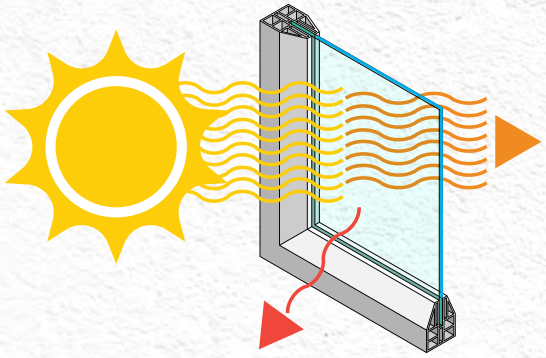
To see actual Ceramic Dual Reflective film samples and to view the full spectrum of performance specifications, ask your dealer about the film sample pages.

How Window Film Works

To select the correct window film you need to understand what happens when solar energy strikes a pane of glass. Most of the solar energy is transmitted through glass without window film. Only a small amount is reflected and absorbed as shown in the illustration without film.

Glass WITHOUT Window Film

Untreated glass allows most of the solar energy to transmit causing hot spots and fading of valuable furnishings. Ceramic Dual Reflective window films reject a significant amount of total solar energy and all versions block out almost 100% of damaging and dangerous ultraviolet.



Without Film

Transmitted	83%
Reflected	8%
Absorbed	9%
Total Solar Energy	**100%**

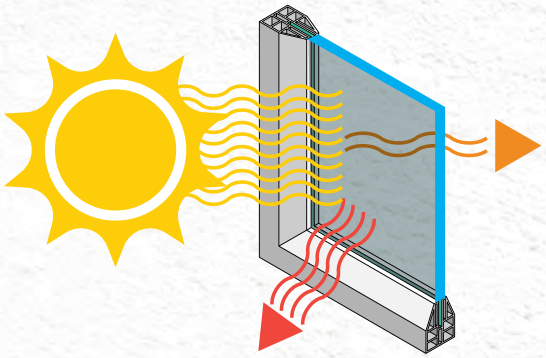
Clear Glass 1/8" (3mm)

A Dramatic Transformation

Installing Ceramic Dual Reflective window film on a pane of glass can dramatically change how it transmits, reflects and absorbs solar energy. The degree of that change is determined by the construction characteristics of the shade (VLT) option you select.

Glass WITH Window Film

Ceramic Dual Reflective effectively reduces the amount of solar energy transmitted through glass and the higher VLT versions are almost undetectable once installed. Illustration shows how Ceramic Dual Reflective 25 significantly reduces solar energy transmission by increasing reflection and absorption.



With Film

Transmitted	19%
Reflected	36%
Absorbed	45%
Total Solar Energy	**100%**

Clear Glass 1/8" (3mm)

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