QUIET LINE™ WINDOWS

Marysville
Tacoma
Portland
Salt Lake City
Chicago
San Francisco
Denver
Fredericksburg
Hollister
Las Vegas
Simi Valley
Temecula
Phoenix

ARIZONA
PHOENIX
(480) 763-6000

CALIFORNIA
HOLLISTER
(831) 636-0114

SACRAMENTO
(916) 387-0700

SIMI VALLEY
(805) 581-6325

TEMECULA
(951) 296-1400

COLORADO
DENVER
(303) 365-5520

ILLINOIS
CHICAGO
(630) 907-2200

NEVADA
LAS VEGAS
(702) 453-1234

OREGON
PORTLAND
(503) 682-3270

UTAH
SALT LAKE CITY
(801) 975-1836

VIRGINIA
FREDERICKSBURG
(540) 752-9686

WASHINGTON
TACOMA
(253) 922-6030

MARYSVILLE
(360) 659-0836

1.800.MILGARD
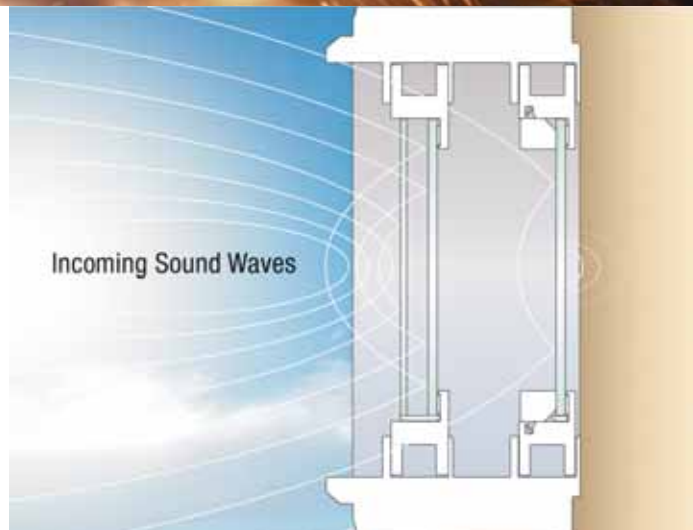milgard.com

Milgard
WINDOWS & DOORS™
Clearly the best.®

Whether it's the scream of a firetruck passing by, or the drone of a neighbor's barking dog, the overall comfort of your home is impacted. Understanding sound, and different ways to control it, is the first step in determining what window solution is right for your home.

Simply put, sound originates from something making vibrations. These vibrations spread out in all directions – much like the ripples created when a stone is dropped in still water. Your ears register these air pressure changes as sound – the larger the wave, the louder the sound. The closer together the waves are, the higher the pitch of the sound.

Windows, doors, walls, fences and other structural elements of a home act as barriers to exterior sounds, by disrupting these "waves" on their way to your ears.

Incoming Sound Waves

Quiet Line™ windows are available in fixed and operable styles.

Note: Exterior noise can never be eliminated totally from an interior environment. A sound audit may be necessary to assess the best means for reducing specific, single source noises.

WINDOWS.
A GREAT PLACE TO START.

The world can be a noisy place. As a manufacturer of windows, we can't keep all the sounds outside your home from getting in. But windows are the best way to greatly reduce sound without major structural changes to the home. That's because poor performing windows are usually the worst culprit when it comes to exterior noises making their way into your home.
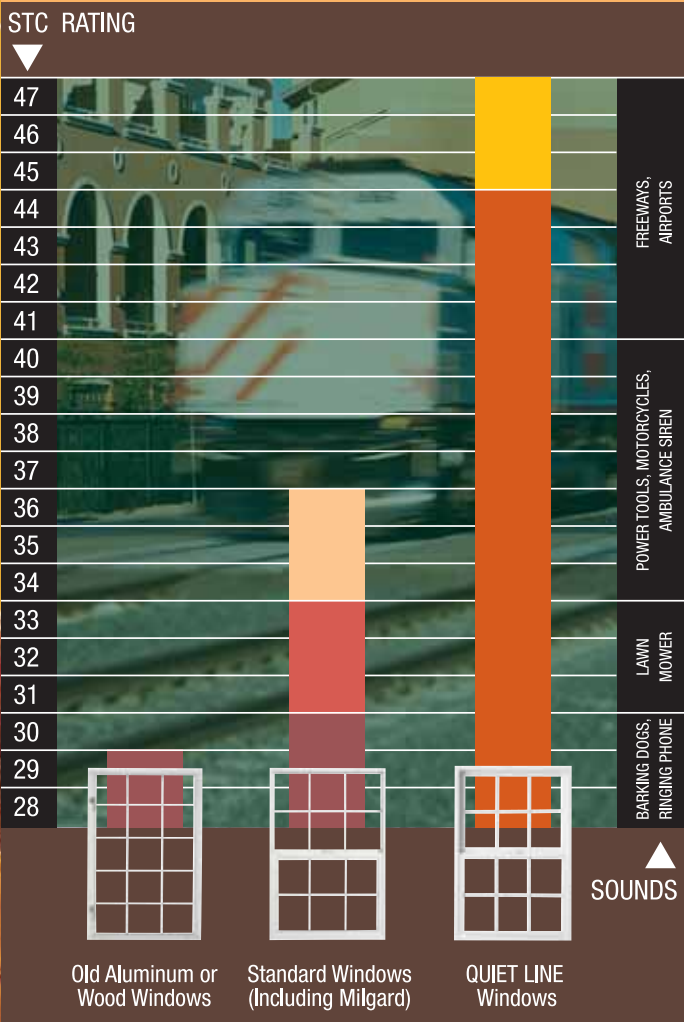
Remember, sound transmission occurs whenever there is an air-space. It is important to note that sound reducing glazing systems will be rendered ineffective if air leaks exist around glass, doors, vents or other areas.

Our Quiet Line™ window series begin with the same vinyl material and craftsmanship that has won Milgard the distinction of *Builder Magazine's* "Highest Quality Vinyl Windows in the Nation" six times.

Add to this our advanced engineering and high performance glazing options and you have some of the highest sound control options available in residential windows.

STC RATING ▼

STC	Sound Source
47	
46	FREEWAYS, AIRPORTS
45	
44	
43	
42	
41	
40	POWER TOOLS, MOTORCYCLES, AMBULANCE SIREN
39	
38	
37	
36	
35	
34	
33	LAWN MOWER
32	
31	
30	BARKING DOGS, RINGING PHONE
29	
28	

▲ SOUNDS

Old Aluminum or Wood Windows

Standard Windows (Including Milgard)

QUIET LINE Windows

Standard windows offer sound control up to an STC rating of 30. Old aluminum and wood windows are rated even lower.

Heavier glass and/or different glass thicknesses can be used in lieu of standard glass for a higher reduction of sound.

Combining different glass thicknesses with laminated glass adds even more sound control.

Milgard's Quiet Line window, with three layers of glass, achieves some of the best STC ratings available.

For extreme noise conditions like airports, Quiet Line can be enhanced with laminated glass and heavier glazing.

Note: STC windows may not be available in all operating styles. Please contact your Milgard Representative for information on product availability.

Close-up of Milgard's
7000 Series Quiet Line Vinyl Window

STC RATINGS EXPLAINED.

Sound Transmission Class (STC) measured in decibels, is an average value associated with a material's effectiveness in reducing sound. An STC rating is a quick reference number for the entire frequency band, and primarily measures interior noises at levels most common to human speech (500Hz-2,000Hz). The higher the value, the greater the reduction of sound.

Usually when sound control is the focus, a specific STC requirement is the target. Using our STC rating chart, identify the noise sources you most frequently hear in your home, then choose the type of window necessary to reduce those noise types. Consult a Milgard representative for more information on the window type best suited for your particular needs. It's that easy.