

CGC Suspended Ceiling Advantage

Ceiling panel technology has come a long way from those sagging unattractive tiles from years ago. Today's suspended ceilings offer convenience, ease of installation and a wide range of attractive textures and colours. They work well with the latest lighting fixtures and there are many stylish grid options that will accent your panel choice. For the best combination of convenience and appearance, nothing beats the new suspended ceiling systems from CGC.

Why Choose a Suspended Ceiling for Your Home?

Accessibility

Homes today have a wide range of services running between the basement joists. Typically you'll find water pipes, electrical wiring, TV cable, ductwork and even water shutoff valves in this space. By installing a suspended ceiling, you can reach this space by simply removing a panel. So, whether you need to work on your plumbing, add a line for the refrigerator water supply or install your new home theatre system, a suspended ceiling makes it easy.

Acoustics

For home theatre applications and installation, nothing beats suspended ceilings. The natural insulating properties of CGC ceiling panels support a range of NRC and CAC ratings, allowing you to tailor and change the sound characteristics of your space. And, you can also choose the light reflection levels of ceiling panels to help get the best performance from your home theatre and audio components.

Mould, Mildew and Bacteria Resistance

Basements are often more humid than other spaces in the home which can encourage the growth of harmful mould, mildew and bacteria. CLIMAPLUS™ panels, from CGC, are specially formulated and contain mould and bacteria inhibitors that retard the growth of mould/mildew, fungi, yeast and odor/stain causing Gram-positive and Gram-negative bacteria which help maintain indoor air quality, keeping your home and family safe.

Fire Resistance

Protecting people in their homes and workplaces is a focus of CGC Ceilings. A number of CGC ceiling panels are rated Class A for flame spread and smoke development characteristics. A Class A rating is the highest attainable rating and is just one more way CGC Ceilings are developing superior products for your home or workplace.

The Environmentally Friendly Choice

Most CGC ceiling panels are high in recycled content and offer low volatile organic compounds (VOC's). Volatile organic compounds are those organic compounds that are off-gassed from almost every product in a conventional home or office. Ceiling panels with low VOC's contribute to improved indoor air quality and are generally better for you and your family. CGC's unique line of Cast Ceiling Panels have no VOC's. To help keep your home and our world healthy, choose CGC suspended ceiling systems.

LR (light reflectance) is a measurement of the amount of light a surface reflects. A typical ceiling panel has a LR value of .82, which means the panel will reflect 82% of the light striking its surface. Ceiling panels featuring high LR values over .85 will increase the amount of indirect light in the space and can better take advantage of any natural light from windows. With high LR panels, it is possible to reduce the number of lighting fixtures required, saving up front costs as well as long term energy costs.

Recycled and renewable raw materials reduce consumption of energy and resources without diminishing the long-term performance of our products. CGC ceiling products contain environmentally sustainable content such as synthetic materials recaptured from manufacturing, recycled paper and renewable agriculture materials that reduce the need for petroleum-based chemicals. Our suspended ceiling systems are made of steel and aluminum that includes recycled content.

Damage Control

With Canada's seasonal changes, improperly insulated heating ducts and water pipes often create condensation that, over time, can damage your ceiling. With a suspended ceiling, regular inspection for water damage is easy and if it does occur, just pop in replacement panels to make your ceiling look as good as new.

Ease of Installation

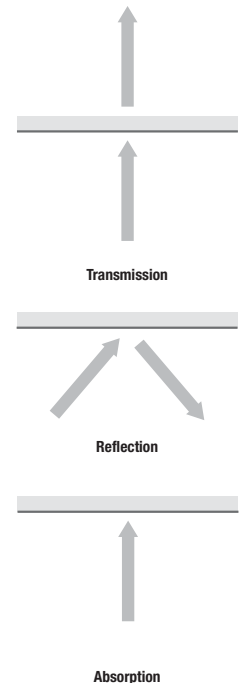
Easy-to-use DONN® grid systems make installing your own suspended ceiling a snap. Unlike drywall installation, suspended ceilings are easy to handle, clean and fast. In fact, depending on room size you may be able to finish your ceiling installation in one day.

NRC and CAC Explained

When sound strikes a ceiling, the sound can pass through the surface into the space beyond, it can bounce back or it can be absorbed, like a sponge absorbing water. CGC ceiling panels help you manage the sound in your space for maximum performance.

The **Ceiling Attenuation Class (CAC)** rating measures a panel's ability to prevent sound from traveling through it (transmission). A high CAC rating will help keep sound in the space rather than traveling into other parts of the home. A ceiling system with a CAC rated less than 25 is considered low performance, whereas one with a CAC rating greater than 35 is considered high performance.

The **Noise Reduction Coefficient (NRC)** rating is used to specify the ability of a material to absorb rather than reflect sound. A ceiling panel with a high NRC rating will reduce sound movement and echo in the space. Absorption coefficients ratings range between 0 and 1, with higher numbers providing greater NRC performance.



Ceiling Panels with CLIMAPLUS™



CGC ceiling panels and tiles with CLIMAPLUS™ performance are specially formulated to endure environments with up to 100% relative humidity and temperatures up to 104°F. These panels carry a limited warranty against visible sag for up to 30 years when installed in a DONN® suspension system.