

Create Beautiful, Healthy and  
Sustainable Environments



# Ceiling Systems





Drywall Suspension System Soffit  
FROST *CLIMAPLUS* Ceiling Panels  
DONN CENTRICITEE Suspension System

## Reach Higher with a USG Ceiling

From a simple white plane to a multidimensional domain energized with shape, texture and color, a USG ceiling provides the crowning touch that connects and completes the diverse elements of a space. Consider how the aesthetic and technical performance of our products and systems can help you take your design to new heights.



Custom 3-Dimensional Ceiling

# Check Out Our Latest Offerings

09 51 00/USG  
BuyLine 3591

The newest ceilings and systems from USG are made to provide you with more creative options and greater flexibility. From new twists on traditional acoustical ceilings to a new specialty product that takes customization to a higher level, USG ceilings offer even more ways to add a crowning touch to your designs.

## Large-Module Panel Sizes

Bring heightened interest to the ceiling plane with large-module panels, which introduce dynamic new grid patterns and can provide greater uninterrupted ceiling area for enhanced acoustics and aesthetics. HALCYON™ CLIMAPLUS™ acoustical panels and CELEBRATION™ and PANZ™ metal panels are now available in these large-module sizes:

	1' x 4'	1' x 5'	20" x 60"	2' x 6'	2' x 8'	30" x 30"	30" x 60"	4' x 4'
CELEBRATION	•	•	•	•	•	•	•	•
HALCYON CLIMAPLUS			•	•	•	•	•	•
PANZ	•	•	•	•	•	•	•	•

Streamline your design process with our online estimator, and interactive resource to select complementary large-module panels and suspension systems, determine suspension system layout and perforation options, and generate a specification.

## LIBRETTO™ Gridless Metal Ceiling System

This dynamic new system features individually fabricated aluminum panels that uniquely interconnect to form a continuous, uninterrupted plane. Enhance the aesthetic with the visual texture of perforation, designed to flow with the contour of your ceiling. Even the concealed suspension system is custom-fit, and a choice of three edge profiles provides flexibility to achieve the proper scale for your space.

## Utility Channel Ceiling System

Aligns services (lighting, sprinklers, speakers, etc.) along narrow bands running the length or width of a ceiling, concentrating mechanical systems and bringing greater order to the ceiling design. These utility channels are fitted with sleek 69 fiberglass lay-in panels or Panz metal panels, and the field is fitted with large-module HALCYON CLIMAPLUS fiberglass acoustical panels, maximizing high-NRC areas.

## USG Design Studio

Introducing Design Studio, a new web-based platform that provides architects, designers and architectural specifiers with quick, efficient and accurate information on USG ceiling and wall products, from CAD drawing files to a tool that assists writing architectural specifications. Research ceiling options based on a range of performance requirements, select from the products and systems that meet your criteria, and Design Studio will generate a specification. Design Studio also offers REVIT files with full-assembly libraries for those using Building Information Modeling (BIM). Visit [usgdesignstudio.com](http://usgdesignstudio.com)

# Design With Confidence

With over a century of service to the building industry, USG understands the issues you manage every day and the opportunities you see in the big picture. To help all customers – from architects, designers and specifiers to builders, contractors and installers – achieve their goals, we design our high-performance products to bring creative concepts to life and assure quality for the long term.

## Products You Trust

As the recognized innovator in ceilings and manufacturer of an extensive line of acoustical panels, specialty systems and suspension systems for drywall, USG is a leading ceilings supplier in North America. Our ceilings products are known and trusted because of our exacting performance standards.

## A Focus on Sustainability



With a firm belief that health, safety and environmental well-being are compatible with economic prosperity, USG maintains a longstanding commitment with our employees, customers and communities to reduce environmental impact, use recycled materials whenever feasible and eliminate manufacturing waste.

We are a founding member of the U.S. Green Building Council (USGBC), a diverse coalition of principals in the building industry. Promoting environmentally responsible design and construction, the council developed the LEED® (Leadership in Energy and Environmental Design) program to establish a rating system that defines “green building.”

USG is committed not only to producing the highest-quality ceiling systems for creating inspired designs, but also to protecting and nurturing the environment we all share. Together, we can build a better world.

### Seismic Ceilings Resource Center

Major revisions to the International Building Code (IBC) now require seismic ceilings throughout the U.S. To find out more about new requirements for seismic ceilings, visit the USG Seismic Ceilings Resource Center. This informative new online resource features in-depth articles about the code change, FAQs, and interviews with ceilings experts. It also includes a comprehensive library of architectural details downloadable in PDF and CAD formats.

[seismicceilings.com](http://seismicceilings.com)

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**Design Your System Online** Envision your ceiling design with USG Online Tools, available for select specialty ceiling systems.

**USG Design Studio<sup>SM</sup>**

Research ceiling options based on a range of performance requirements such as sustainability, light and sound properties, fire performance, aesthetics, even ceiling panel substrate. Select from the products and systems that meet your criteria, and Design Studio will generate a specification. Design Studio also offers REVIT files with full-assembly libraries for those using Building Information Modeling (BIM). To access the USG Design Studio, visit [usgdesignstudio.com](http://usgdesignstudio.com)

**CURVATURA Design Tool**

Design and specify your ceiling with this easy-to-use tool.

[usg.com](http://usg.com) > [Resources](#) > [Architects, Designers & Specifiers](#) > [Online Tools](#).

**Large-Module Panels Design Tool**

Use this interactive resource to select large-module panels and available suspension systems, determine suspension system layout and perforation options, and generate a specification. Large-format panels may require nonstandard main-tee lengths and cross-tee and hanger-wire positions, and this online selector makes it easy to create a layout that works for your space.

After making your selections, the estimator generates a specification form that you can print or save in .pdf format.

[usg.planks.pivotinteractive.com](http://usg.planks.pivotinteractive.com)

**TOPO & GEOMETRIX Online Design Tool**

Model these ceilings into a virtual 3-D room quickly and easily.

[usg.com](http://usg.com) > [Resources](#) > [Architects, Designers & Specifiers](#) > [Online Tools](#)

# Sustainable Ceilings



In response to growing concern in the market about the amount of raw materials our society consumes and the livability of our built environments, many developers and owners emphasize efficiency and indoor environmental quality as highly as design style.

Sustainable design meets these demands by creating structures that require fewer natural resources to build, maintain and adapt to future uses, and that safeguard occupants from pollutants. The choice of ceiling system can significantly enhance the sustainability of a space.

## Sustainable Solutions

USG has long supported sustainable building by emphasizing innovation, from the ingredients and resources we use to the manufacturing processes we employ. Take a closer look at the advantages that let you choose USG ceiling products with confidence.

## Recycled and Renewable Materials

Recycled and renewable raw materials reduce consumption of energy and resources without diminishing the long-term performance of our products. Many USG ceiling products contain:

**Synthetic mineral wool.** We convert nearly 150,000 tons of slag, a waste product of steel making, to mineral wool every year, eliminating the need to mine and process raw materials and reducing landfill waste.

**Recycled paper.** Many of our ceiling panels contain paper recovered from both pre-consumer (cuttings from corrugated box manufacturing) and post-consumer (newspapers) use.

**Corn and wheat starch binders.** These renewable agricultural materials are an environmentally sound alternative to traditional binders derived from petroleum-based chemicals.

**Recycled metal.** Several of our metal specialty ceilings and ceiling and drywall suspension systems are made of steel and aluminum that includes recycled content. Aluminum offers additional benefits in that it can be fully re-purposed by re-melting and salvaging the metal.

## Responsible Manufacturing

Careful production methods are good for the environment and increase efficiency. Our practices include:

**Using clean fuels.** We use natural gas and low-sulfur oil whenever possible and conserve energy with heat-exchange processes throughout manufacturing operations.

**Treating and recycling water.** Managing water use saves more than 28 million gallons every day and reduces effluent discharges into municipal treatment systems.

**Reducing waste.** Waste from the production line and panels chipped or broken during processing are returned to the manufacturing cycle, keeping them out of landfills.

**Offering specialized ceiling panels.** Non-directional products such as RADAR™ ceiling panels allow more efficient use of material by reducing waste during installation.

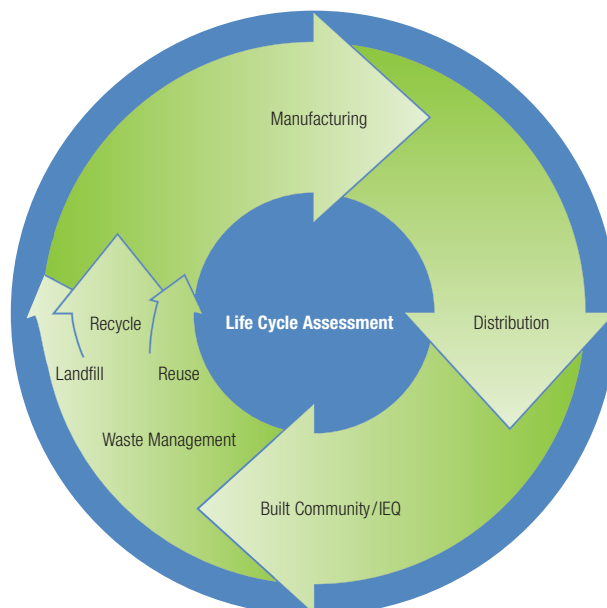
High-durability acoustical panels extend the useful life of ceilings and reduce operating and replacement costs.

Panels with high light reflectance can enhance indirect lighting, reducing the number of light fixtures needed and lowering energy consumption.

**Recycling Old Ceiling Panels.** USG can take back approved ceiling panels and recycle them into new building products. Reclaiming this waste can help meet the needs of a growing world and preserve natural resources.

To learn more about our recycling program, visit [www.sustainableceilings.com](http://www.sustainableceilings.com).

**Product Life Cycle.** USG's commitment to health, safety and environmental responsibility is evident at every stage in the life cycle chain.



# Sustainable Ceilings

## Low- and Zero-Emitting Products



Indoor environmental quality (IEQ) is a vital consideration because it has such an impact on the health and wellbeing of a building's occupants.

The choice of building materials is a critical factor because many products can release volatile organic compounds (VOCs), which include thousands of synthetic and natural chemicals emitted by a wide array of materials, finished products, and even microorganisms such as mold and mildew.

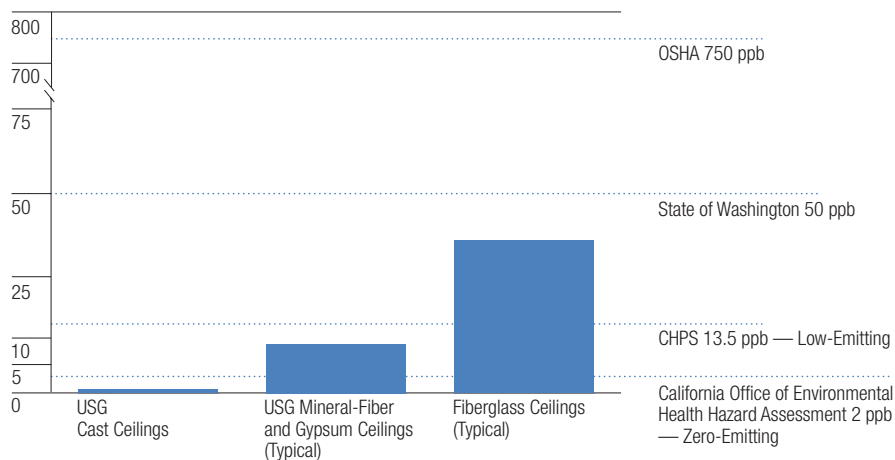
To help building professionals create healthy, comfortable spaces, USG provides a portfolio of ceiling panels and tiles with low and even zero emissions:

- All USG panels outperform levels set by OSHA and the State of Washington.
- Many USG mineral-fiber and gypsum-panel ceilings outperform standards established by the Collaborative for High-Performance Schools (CHPS), classified as low-emitting (less than 13.5 ppb).
- Cast ceilings from USG exceed the extremely stringent standard of the California Office of Environmental Health Hazard Assessment, classified as zero-emitting.

For more information about zero- and low-emitting ceiling products, visit [www.sustainableceilings.com](http://www.sustainableceilings.com)

## Outperforming the Highest Standards

Formaldehyde (ppb)



### Note

As tested per California Department of Health Services, Specification 01750, Section 3.8.4.2



## Earn LEED Credits



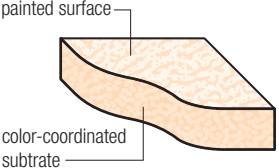
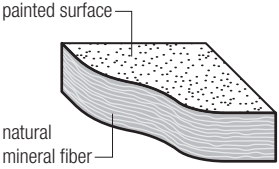
The most widely accepted national guidelines for environmentally conscious building is the LEED (Leadership in Energy and Environmental Design) GREEN BUILDING RATING SYSTEM® developed by the United States Green Building Council. As a founding member of the USGBC, USG is committed to helping architects and builders create structures that efficiently meet the needs of occupants while also protecting the surrounding environment.

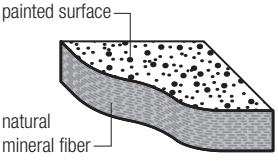
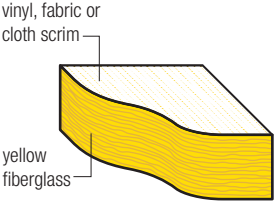
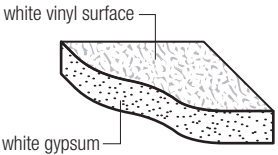
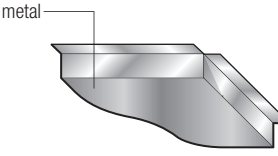
LEED provides a third-party certification tool for verifying that a project has met the technical requirements of sustainable building through various aspects of its design and construction. A project may be awarded one of four levels of certification by earning up to 69 points in six categories. Following are credits for which USG ceilings may help a project qualify.

LEED Category	Available Credits	Products/Programs that May Assist in Qualifying for Credit
<b>Energy and Atmosphere</b>	— EA 1: Optimize Energy Performance	— Ceiling panels with high light reflectance (LR) can reduce the number of light fixtures needed, curbing energy consumption.
<b>Materials and Resources</b>	— MR 1.3: Building Reuse – Maintain Interior	— Cast-mineral-fiber panels are baked solid in molds for abuse resistance and through-color to resist abrasion and mask scrapes.
	— MR 2.1 and 2.2: Construction Waste Management – Divert from Disposal	— USG offers a nationwide recycling program that can take back approved mineral-fiber panels, reducing the impact on landfills.
	— MR 3.1 and 3.2: Resource Reuse	— Panels may contain synthetic mineral fiber converted from slag, a byproduct of steel making. Metal ceilings and components may include recycled aluminum.
	— MR 4.1 and 4.2: Recycled Content	— Panels may contain paper recovered from both pre-consumer and post-consumer use.
	— MR 5.1 and 5.2: Regional Materials – Extracted, Processed and Manufactured Regionally	— For manufacturing locations of USG ceiling products, visit <a href="http://www.usg.com">www.usg.com</a> .
	— MR 6: Renewable Materials	— Panels may contain corn and wheat starch binders, renewable alternatives to traditional petroleum-based binders.
<b>Indoor Environmental Quality</b>	— EQ 4.1, 4.2, 4.3 and 4.4: Low-Emitting Materials	— All USG products are low-VOC emitters, and many panels emit zero formaldehyde.
	— EQ 8.1 and 8.2: Daylight and Views	— Ceiling panels with high light reflectance (LR) can improve the quality and quantity of natural light by enhancing indirect lighting.

# Substrate Options for Specialized Performance

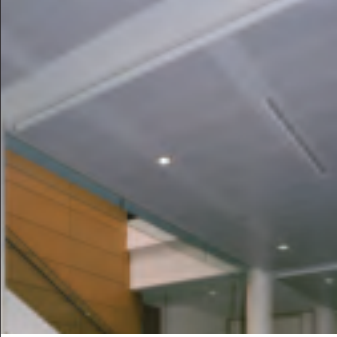

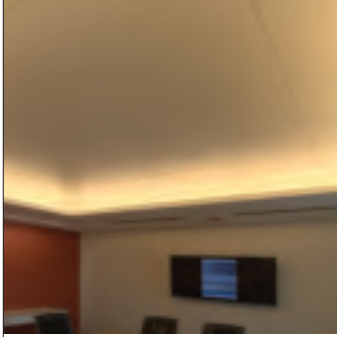



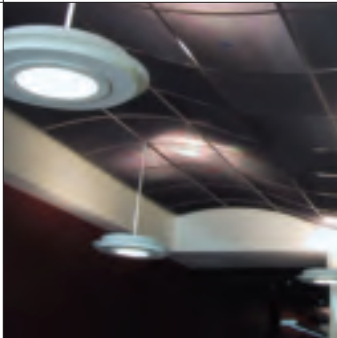
USG is the only manufacturer with the capabilities to produce acoustical ceiling panels with five different substrate technologies to achieve the full range of functional and aesthetic needs. Available substrates include cast mineral fiber, X-Technology mineral fiber, water-felted mineral fiber, fiberglass, and gypsum panel ceilings.

Profile	Construction	Applications	Available Panels
<p><b>Cast Mineral Fiber</b></p> 	<p>Formed and baked solid in molds to create a long lasting, abuse-resistant surface in a range of textures.</p> <p>Through-color masks nicks and scratches.</p> <p>Orients fibers for excellent sound absorption and high noise reduction coefficients (NRC).</p> <p>Composition enhances sound blocking (CAC) and resists “breathing” (air passing through panel) so surface stays cleaner, longer.</p> <p>Surface cleans easily with a soft brush or vacuum.</p> <p>Recycled content: 56% – 70%.</p>	<p>Open-plan areas subject to frequent plenum access that require strong sound absorption (NRC) and sound blocking (CAC) performance.</p> <p>Enclosed areas requiring speech privacy.</p> <p>Ceilings requiring exceptionally durable, long-lasting panels.</p> <p>High-visibility areas that require color and/or a range of texture options.</p>	<p><b>BRIO™ CLIMAPLUS™</b></p> <p><b>“F” FISSURED™</b></p> <p><b>FRESCO™ CLIMAPLUS™</b></p> <p><b>FROST™</b></p> <p><b>FROST™ CLIMAPLUS™</b></p> <p><b>GLACIER™</b></p> <p><b>SANDRIFT™ CLIMAPLUS™</b></p> <p><b>SUMMIT™ CLIMAPLUS™</b></p>
<p><b>X-Technology Mineral Fiber</b></p> 	<p>Unique process creates a smooth surface with high noise absorption (NRC) and blocking (CAC).</p> <p>Superior sag resistance and outstanding dimensional stability.</p> <p>Surface cleans easily with a soft brush or vacuum.</p> <p>Recycled content: 63% – 81%.</p>	<p>Open-plan areas that require strong sound absorption (NRC) and sound blocking (CAC) performance.</p> <p>Ceilings that require a level of dimensional stability beyond that of standard water-felted mineral-fiber panels.</p> <p>Designs that require a ceiling with a smooth appearance that can be cleaned easily with a soft brush or vacuum.</p>	<p><b>ASTRO™ CLIMAPLUS™</b></p> <p><b>ECLIPSE™ CLIMAPLUS™</b></p> <p><b>MARS™ CLIMAPLUS™</b></p> <p><b>MILLENNIA™ CLIMAPLUS™</b></p> <p><b>ORION™ 210 CLIMAPLUS™</b></p> <p><b>ORION™ 270 CLIMAPLUS™</b></p>





Profile	Construction	Applications	Available Panels
<p><b>Water-Felted Mineral Fiber</b></p>  <p>Labels: painted surface, natural mineral fiber</p>	<p>Surface perforations aid sound absorption.</p> <p>Creates a variety of surface textures.</p> <p>Surface cleans easily with a soft brush or vacuum.</p> <p>Lowest initial cost.</p> <p>Recycled content: 27% – 54%.</p>	<p>General-use areas requiring a balance of acoustical control and economy.</p> <p>High ceilings subject to infrequent plenum access and out of the way of activity below.</p>	<p>ASPEN™</p> <p>FISSURED™</p> <p>OLYMPIA MICRO™ CLIMAPLUS™</p> <p>PEBBLED™ CLIMAPLUS™</p> <p>RADAR™</p> <p>RADAR™ CLIMAPLUS™</p> <p>RADAR™ Ceramic</p> <p>CLIMAPLUS™</p> <p>ROCK FACE® CLIMAPLUS™</p> <p>TOUCHSTONE™ CLIMAPLUS™</p>
<p><b>Fiberglass</b></p>  <p>Labels: vinyl, fabric or cloth scrim, yellow fiberglass</p>	<p>Vinyl- and fabric-surfaced fiberglass offers superior sound absorption (NRC).</p> <p>Light weight.</p> <p>Washable surface.</p> <p>Recycled content: 27% – 29%.</p>	<p>Open-plan areas where sound absorption is the highest performance criterion.</p> <p>Ceilings that require a very lightweight panel.</p> <p>Installations that may benefit from a washable vinyl surface.</p>	<p>HALCYON™ CLIMAPLUS™</p> <p>PREMIER HI-LITE™ CLIMAPLUS™</p> <p>PREMIER NUBBY™ CLIMAPLUS™</p>
<p><b>Gypsum Panel</b></p>  <p>Labels: white vinyl surface, white gypsum</p>	<p>Face-laminated gypsum panels provide dimensional stability and sound blocking (CAC).</p> <p>CLEAN ROOM panels have a vinyl face and back and sealed edges to meet federal standards for cleanrooms.</p> <p>SHEETROCK CLEAN ROOM panels have a vinyl face and back and sealed edges to meet USDA/FSIS requirements for food processing areas.</p> <p>Recycled content: 23%.</p>	<p>Regulated environments such as cleanrooms and kitchens/food preparation areas, which require highly cleanable surfaces that resist absorption of chemicals and odors.</p> <p>Demanding applications subject to moisture exposure, temperature swings and exposure to dirt and grime, such as exterior soffits, marine environments, parking garages and locker rooms.</p>	<p>CLEAN ROOM™ CLIMAPLUS™ Class 100</p> <p>CLEAN ROOM™ CLIMAPLUS™ Class 10M-100M</p> <p>SHEETROCK® CLEAN ROOM CLIMAPLUS Lay-In Panel</p> <p>SHEETROCK® Vinyl CLIMAPLUS™ Lay-In Panel</p>
<p><b>Aluminum</b></p>  <p>Label: metal</p>	<p>Available in painted or anodized aluminum.</p> <p>Strong, lightweight and cleans easily with a soft brush, vacuum or damp cloth.</p> <p>Available perforated with sound backer for significant sound absorption (NRC).</p> <p>Systems available for protected exterior applications.</p> <p>Recycled content: 85%.</p>	<p>Designs that create a clean, contemporary aesthetic.</p> <p>Environments requiring strong ceilings that can be cleaned easily.</p> <p>Accessible ceilings with low plenum clearance.</p>	<p>CELEBRATION™</p> <p>C² PAIRED COMPASSO™ Channels</p> <p>CURVATURA™ System</p> <p>GEOMETRIX™</p> <p>LIBRETTO™</p> <p>PANZ™</p> <p>PARALINE™ System</p>

# Specialty Ceilings

Sleek Planes and Angles Create Sophisticated Details


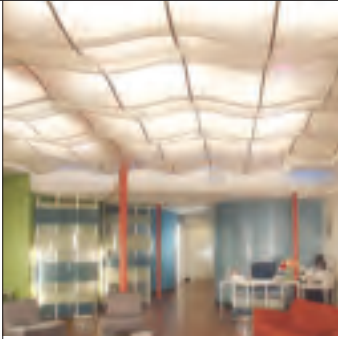


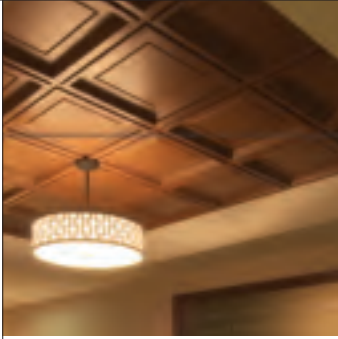
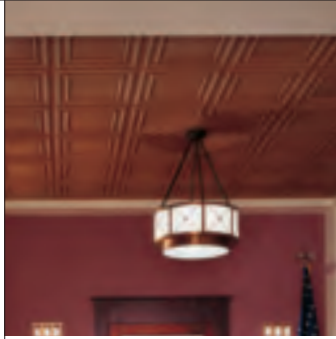



	CELEBRATION™ Panels	GEOMETRIX™ 3-Dimensional Panels	PANZ™ Panels
Metal Panels			
	PARALINE™ Linear Ceiling System		
			
	COMPASSO™ Suspension Trim	CURVATURA™ 3-Dimensional System	CURVATURA™ Elite Suspension System
Metal Systems			

Dynamic Curves Infuse Style and Energy

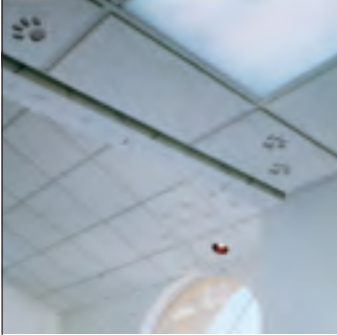
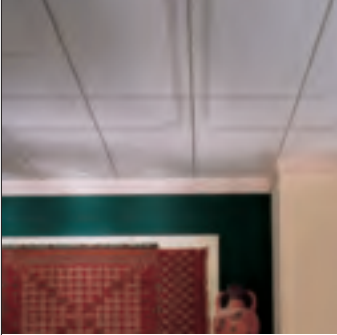

	C <sup>2</sup> Paired COMPASSO™ Channels	GRIDWARE™ Suspension System	WIREWORKS™ Open-Cell Panels
Metal Systems			
	LIBRETTO™ Gridless Metal Ceiling System		
			

# Specialty Ceilings

Stylistic Impressions Crown the Design Motif

	BILLO™ 3-Dimensional Panels	TOPO™ 3-Dimensional System	TRANSLUCENTS™ Infill Panels
Luminous Systems			
	CADRE® Concepts Ceiling Coffers	CADRE® Contemporary Ceiling Coffers	CADRE® Executive Ceiling Coffers
			
	CADRE® Historical Ceiling Coffers	CADRE Coffers®/QUADRA™ Suspension System (Woodgrain Option Shown)	QUADRA™ Ceiling Coffers
Fiber-Reinforced Cast Gypsum Systems			

Graceful Vignettes Punctuate With Added Interest

	RENDITIONS™ Animations Panels	RENDITIONS™ Boundaries Panels	RENDITIONS™ Custom Panels
Face-Routed Panels			



For comprehensive information  
on USG ceiling systems, request  
catalog SC2000.

#### Website

usg.com  
usgdesignstudio.com  
seismicceilings.com  
sustainableceilings.com

#### Technical Service

800 USG.4YOU

#### Samples/Literature

888 874.2450

#### Samples/Literature E-mail

samplit@usg.com

#### Samples/Literature Fax

888 874.2348

#### Customer Service

800 950.3839

#### Product Information

See usg.com for the most  
up-to-date product information.

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DXW, ECLIPSE, FINELINE,  
F FISSURED, FISSURED, FIRECODE,  
FRESCO, FROST, GEOMETRIX,  
GLACIER, GRIDWARE, HALCYON,  
LIBRETTO, MARS, MILLENNIA,  
OLYMPIA MICRO, ORION, PANZ,  
PARALINE, PREMIER HI-LITE,  
PREMIER NUBBY, QUADRA, QUICK-  
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goods. Any claim shall be  
deemed waived unless made  
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#### Safety First!

Follow good safety and industrial  
hygiene practices during handling  
and installation of all products  
and systems. Take necessary  
precautions and wear the  
appropriate personal protective  
equipment as needed. Read  
material safety data sheets and  
related literature on products  
before specification and/or  
installation.



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