



RADIANS® - Metal

> Curving Modular Metal Ceiling System

Description: Radians® is a hydraulically precurved integrated ceiling system consisting of four-sided panels, engineered grid, and associated hardware. The ceiling system allows access to the space above at nearly every location. Heavy-Duty torsion spring clip assemblies mounted to the panels allow for complete downward access to the plenum without distorting the panel.

Finishes: CeilingsPlus® offers a wide variety of finishes applied to metal. CeilingsPlus® will explore unique finish selections at the request of the specifier. Consult factory for possibilities. Materials available with:

- Aluminum with up to 85% recycled content.
- Anodized
- No VOCs

Panels: Careful consideration should be made in the selection of larger modules. Our manufacturing processes enable us to create large modular panels. However, larger panels are subject to gravity and could have a certain amount of deflection. Natural and artificial lighting must be a part of the design equation. Severe grazing light will magnify even the slightest deviation. We recommend consultation with one of our experts in this area, at our factory, prior to finalizing modular dimensions.

- Width: 1' to 4' (Consult factory for other dimensions).
- Lengths can be fabricated up to 10' (Consult factory if longer panels are required).
- Radius: 14" to 100' (A variety of radii can be designed to create serpentine, arc, or undulating shapes. Consult factory).
- Light Weight: 1.5 lbs per sf (approx.).

Perforations: A variety of round, square, rectangular, and custom perforation patterns are available to meet the project requirements. See [Metal Perforations](#) on our website.

Acoustics: A variety of sound absorbing backings are available, Ceilings Plus® can supply absorbing material which can achieve NRC values ranging from .70 -.95. Noise reduction may be achieved by perforating the surface and adding an absorptive backing. Consult factory for guidance. To learn more about acoustics, see Acoustics in the [Learning Center](#) portion of the Ceilings Plus® web site.

Suspension System: Radians® factory precurved suspension system is ICC approved in accordance with International Building Code standards for Seismic Categories A, B, C, D, E, and F. Calculations to support slotted grid and "heavy duty" ratings is available upon request.

Integration: Radians® can accommodate nearly all lighting elements. Air distributors, speakers, sprinklers, and other ceiling attached accessories can also be supported. Mod-Air integrated air diffuser available upon request.

Test Reports: Ceilings Plus® has developed the Radians® ceiling systems to meet ASTM 635, ASTM 636, and typical local building code requirements. Test reports for suspension system and finish performance are available upon request from professionals.

Fire Classification: Radians® product line is Class I, 0-25 Flame Spread as tested in accordance with ASTM E84.

Exterior: Radians® may be specified for an exterior application using specific materials as noted in the [Metal Finishes](#) section of the Ceilings Plus® website. Consult the factory regarding specific wind load requirements for exterior applications. Exterior utilizes positive fasteners for required load.

