



RADIANS® - Arboreal®

> Curving Modular Wood/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.
- Real Wood Veneer - Arboreal®
- No VOCs
- No added urea formaldehyde
- FSC Certification available

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 [Wood 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: Arboreal® wood veneer products may be used in all sprinkler protected locations requiring flame spread and smoke-developed standards as set forth in IBC Section 803 (2009 Ed.). Consult Ceilings Plus® to confirm your plan of use meets fire-test-response standards for your application. Arboreal® has been tested in accordance with ASTM E84. Results may be available upon written request.

Exterior: Radians® may be specified for use in exterior soffits. A selection of finishes suitable for this use is available. Factory consultation is available to evaluate specific needs for upward and downward load requirements. System designs are available which have been engineered to meet demands of extreme environmental conditions. Exterior utilizes additional fasteners for required load. Ongoing maintenance plan must be in place to insure wood lasting finishes.

