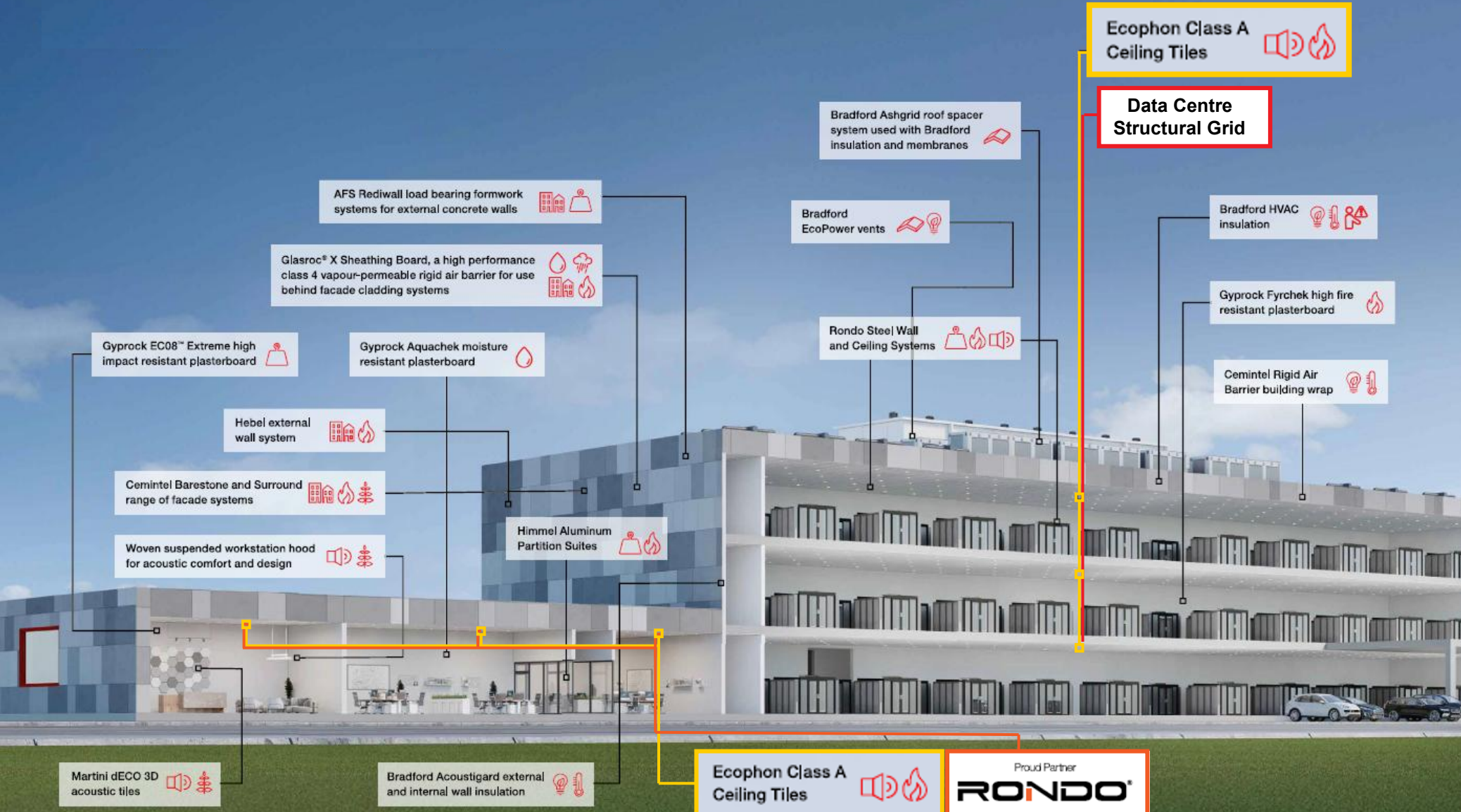




ECOPHON DATA CENTRE CEILING SYSTEMS & SOLUTIONS

Part of the CSR Data Centre Offering– Building a better future in data centres

CSR – Solution Portfolio for Data Centres



Data Centre Structural Grid



Ceiling solutions for modern data centres

Data centres are the backbone of our digital infrastructure. These highly controlled environments demand ceiling systems that are not only technically robust but also adaptable, hygienic, and fast to install.

At Ecophon, we offer ceiling solutions tailored to meet the specific needs of data centre construction and operation – supporting modularity, safety, and long-term performance..

In addition, the sound absorbing properties of the system help improve acoustic comfort and create suitable working conditions for people in technically intensive areas, supporting stable and efficient day to day operations.

Innovation and reliability in critical environments

Ecophon ceiling systems are engineered to excel in critical environments. With decades of experience in clean and controlled environments, our solutions are trusted for their reliability, compliance, and adaptability.

Whether you are designing for future expansion, airflow control, cleanability or acoustic absorption and insulation , we deliver systems that meet the highest standards – today and tomorrow

Ecophon DC Ceiling Systems

Data Halls

Administration & Client Zones

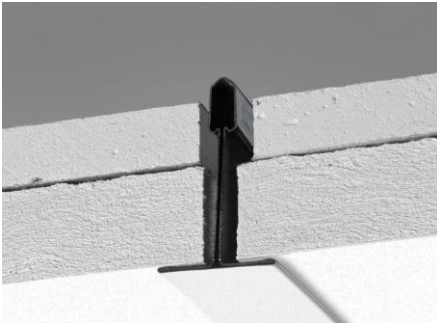
Network Operations Centre

Tile and Grid Solutions support

Data Centre Ceiling Systems Applications

Ecophon ceiling systems for data centres help create a well organised and functional environment, designed to handle varying installations and performance requirements while contributing to effective airflow management. In addition, the sound absorbing properties of the system help improve acoustic comfort and create suitable working conditions for people in technically intensive areas, supporting stable and efficient day to day operations.

Ecophon Combison™ Uno A



- Data Halls
- Network Operations Centres
- Administration & Client

- High Pressure resistance
- Noise insulation & absorption
- Easily demountable- no HCs
- Cleanability

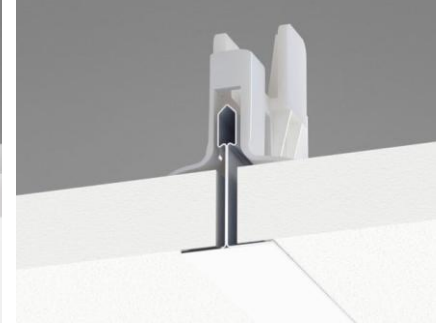
Ecophon Hygiene Advance™



- Data Halls
- Network Operations Centres

- Air leakage Tested 50pa
- ISO 3 Cleanroom
- Particle repellent surface
- High Noise absorption

Ecophon Hygiene™ Protec Air



- Data Halls
- Network Operations Centres

- Air leakage Tested 50pa
- ISO 3 Cleanroom
- High Noise absorption
- Sealed & HPV Cleanable

Ecophon Hygiene™ Black



- Data Halls
- Network Operations Centres
- Administration & Client

- Air leakage Tested 50pa
- ISO 4 Cleanroom
- High Noise absorption
- Cleanability

Ecophon Focus™



- Network Operations Centres
- Administration & Client

- Class A Noise absorption
- Low carbon footprint
- Recycled content/Recyclable
- Primed edges

Grid

Structural
DC Grid



Rondo T24



Data Hall Ceiling Systems

Ecophon Combison™ Uno A

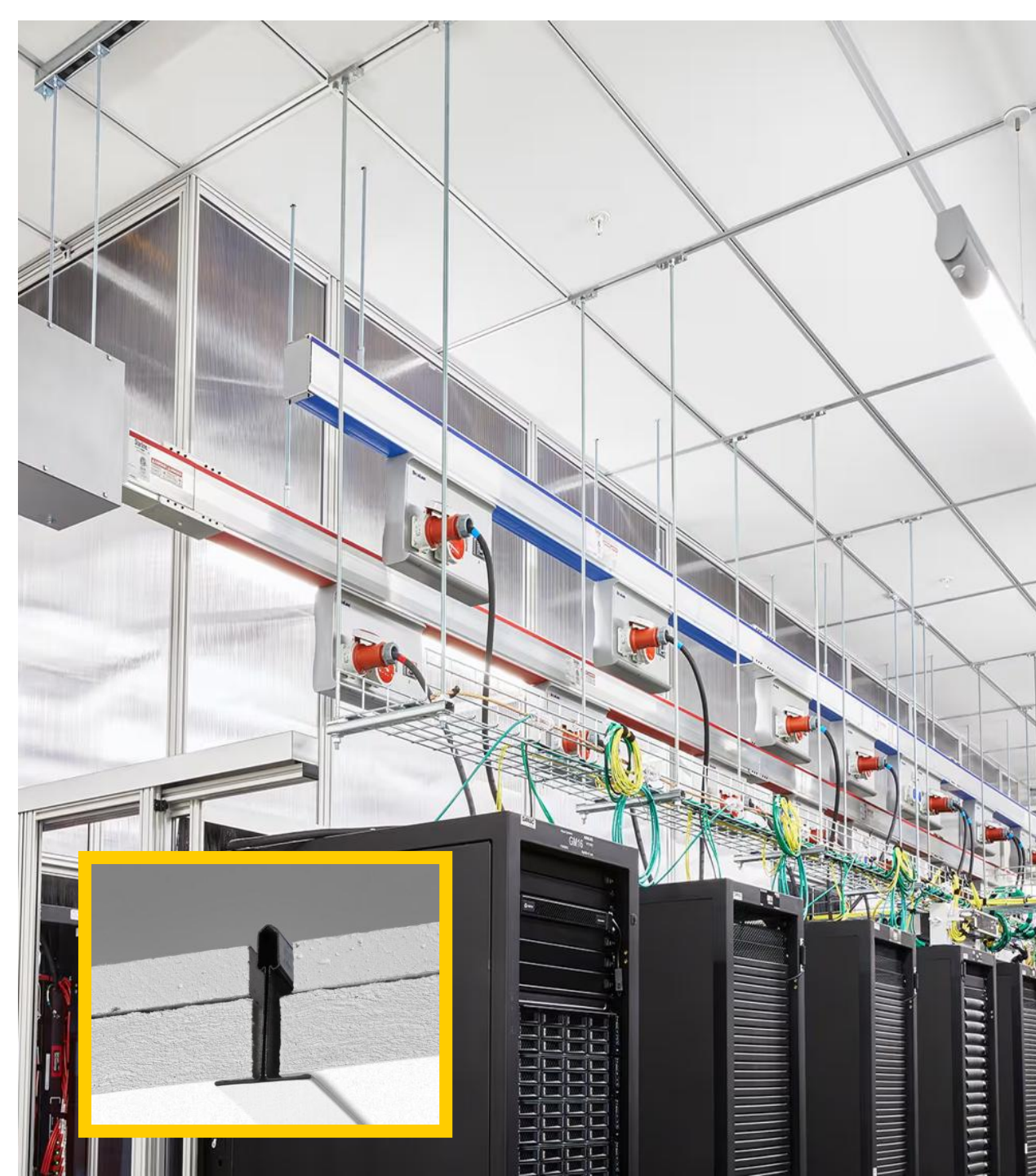
Ideal when high pressure resistance is required

Engineered for environments where sound proofing and durability are essential, Combison Uno A is a robust ceiling tile that withstands pressure. Its dual-layer composition ensures superior acoustic insulation while maintaining easy access and cleanability.

Composition: 20 mm glass wool absorber, 15mm gypsum board or

Key benefits:

- Withstands high pressure without lifting (up to 125 Pa) without HD Clips
- Offers sound insulating properties of 43 dB (T24) (CAC)
- Offers sound absorption properties of NRC 0.70
- Group 1 Fire-resistance rating
- Easily demountable for quick access
- Standard 1200x600(Nominal) and 600x600(Nominal)- Custom on request
- Features a wet-wipable surface for easy cleaning
- Can be installed in Data Centre Structural Grid or Rondo T24 Grid
- Sealed edges



Data Hall Ceiling System

Ecophon Hygiene Advance™

Unique. For the most demanding cleanroom requirements

A sound-absorbing ceiling tile fully encapsulated in an impervious Advance film, making it ideal for most demanding conditions

Composition: 20/40 mm glass wool absorber, surface consists of a polymer film

Key benefits:

- ISO 3 cleanroom certified
- Air leakage tested at ± 50 Pa (with T24)
- Fire-resistance –Group 1
- Daily advanced cleanability
- Particle-repellent surface
- Durable in high humidity
- Offers sound absorption Class A properties of NRC 0.95
- Group 1 Fire Resistance
- Can be installed in Data Centre Structural Grid or Rondo T24 Grid

Data Hall Ceiling Systems

Ecophon Hygiene Protec™ Air

Ideal when low air leakage or cleanability is a requirement

A sound absorbing ceiling tile with a particle repellent surface, ideal for areas requiring air-pressure control.

Composition: 20/40 mm glass wool absorber, painted, particle-repellent surface, air flow-restrictive back surface

Key benefits:

- Air leakage tested at ± 50 Pa (T24)
- Cleanable
- ISO 3 cleanroom classified (T24)
- Particle-repellent surface
- Resistant to mould and bacteria
- High fire-resistance rating - Group 1
- Easily demountable for quick access
- Can be installed in Data Centre Structural Grid or T24 grid



Data Hall Ceiling System

Ecophon Hygiene™ Black

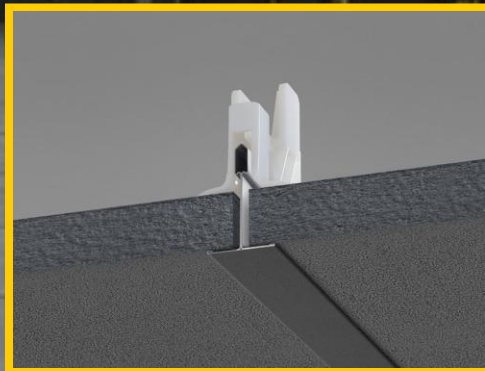
Sound absorbing hygiene ceiling tile combining aesthetics with cleanability

Ecophon Hygiene™ Black is a sound absorbing ceiling tile that combines aesthetics with cleanability.

Composition: 20 mm glass wool absorber, painted black surface

Key benefits:

- Black matte finish
- Low light reflectance
- Cleanable
- Offers sound absorption Class A properties of NRC 0.95
- ISO 4 cleanroom classified
- Resistant to mould and bacteria
- Group 1 Fire Resistance
- Demountable and reuseable
- Can be installed in Data Centre Structural Grid or Rondo T24 Grid
- Sealed edges



Data Centre Ceiling System

Ecophon Focus™

Ideal for office spaces by significantly lowering ambient noise, and improving speech clarity, hence enhancing employee concentration and well-being

Ecophon Focus™ A has an exposed grid system with easily demountable tiles. For applications where a robust suspended ceiling system is required. Improves absorption in the low frequency range, Ecophon Extra Bass can be installed on top of the suspended ceiling

Composition: 20 mm glass wool absorber, painted surface

Key benefits:

- Offers sound absorption Class A properties of NRC 0.95
- High light reflectance
- Group 1 Fire Resistance
- Demountable and reuseable
- Low carbon footprint
- High Recycled content/Recyclable
- Can be installed in Rondo T24 Grid
- Primed edges



Solutions Overview

Your projects deserve solutions that can be seamlessly integrated from the earliest stages of your projects, ensuring efficient data centre construction for everyone involved.

Working hand-in-hand with hyperscale and co-location developers, operators, design teams, builders and contractors, our technical and project delivery teams help turn your vision into reality- smoothly and efficiently.

For all aspects relating to Data Centre grid and tile systems and solutions - from design calculations and renderings to technical guidance and on-site support -our Australia/ New Zealand and global network of experts is with you at every step.

Contact

For all **Ecophon Data Centre Ceiling System** inquiries contact

Email: HimmelCustomerService@csr.com.au or

Call : 02 9912 5650

Referencing 'Ecophon Technical and Delivery Team'



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