Clean Rooms

What is a Clean Room?

A clean room is a controlled environment where pollutants like dust, airborne microbes, and aerosol particles are filtered out to provide the cleanest area possible. AirAssure™ ceiling panels (ISO Class 5) help achieve this by containing the air and particles. Clean rooms have a cleanliness level quantified by the number of particles per cubic meter at a predetermined molecule measure.

ISO clean room requirements are classified according to how much particulate of a specific size exist per cubic meter. The "extremely clean" clean room is a class 1 – the least "clean" a class 9.

Clean Room ISO Class **5**

Extremely Clean	ISO 1
	ISO 2
	ISO 3
	ISO 4
	ISO 5
	ISO 6
	ISO 7
	ISO 8
Clean	ISO 9

Achieve Clean Room Performance up to ISO Class 5 (Class 100) with AirAssure™ panels and standard non-gasketed suspension systems.

24/7
DEFEND™
Solutions for Healthier, Safer Spaces

AirAssure™
Ceiling Panels

Armstrong®
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Where are clean rooms used today?

A clean room is a facility ordinarily utilized as a part of specialized industrial production or scientific research, including the manufacture of pharmaceutical items, medical devices, integrated circuits, semiconductor manufacturers, LCD, OLED and microLED displays.

AirAssure™ ceiling panels can be used in clean rooms to provide a super clean sterile manufacturing space which reduces the chance of contamination manufacturing or medical space.

How clean is a clean room?

Very clean. A class 100 clean room has 100 particles per cubic foot. By comparison your typical office space has between 500,000 and 1 million particles per cubic foot. Clean rooms come in different classes from class 100 to 100,000.

How does AirAssure contribute to a clean room?

AirAssure is certified as ISO Class 5 in a standard Prelude or SupraFine grid (does not require gasketed grid for this classification) – it achieves this through finished edges and a factory applied gasket without hold down clips.

Factory-Gasketed Edges
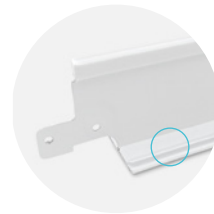reduce air leakage for cleaner air

Clean Room Solutions
Calla® HealthZone™ AirAssure™
Ultima® HealthZone™ AirAssure™

Both are clean room certified
ISO Class 5 / Class 100.

Other ceiling options for use with gasketed suspension systems:
Calla® HealthZone™
Ultima® HealthZone™
Optima® HealthZone™

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Details for specifiers and installers at
armstrongceilings.com/airassure

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