

What is indoor air quality and why does it matter?

Did you know an average American spends 90% of their time indoors?¹ Between the office, school and home, we breathe more air inside than we do outside. That means building designers should make indoor air quality a top priority.



What are indoor air pollutants?

CAUSES OF INDOOR AIR POLLUTION

- Inadequate ventilation
- Contaminants released by materials inside the building
- Contaminants coming from outside the building

CONTAMINANTS INCLUDE

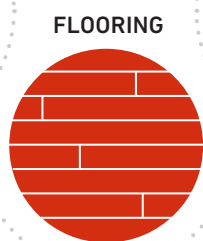
- Volatile organic compounds, such as formaldehyde and vinyl chloride
- Inorganic and organic particulates and allergens
- Inorganic and combustion gasses
- Mold and mildew

What are the sources of indoor air pollution?

Building materials, finishes and equipment, such as those listed below off-gas, which is the release of chemicals in vapor form into the air.



BUILDING MATERIALS



FLOORING



TEXTILES



EQUIPMENT



CASEWORK

What are the cost savings for improved indoor air quality?

Improving indoor air quality could produce cost savings from enhanced worker performance to reduced disease levels, a study showed.²

POTENTIAL SAVINGS INCLUDE

- \$14 billion from reduced respiratory disease
- \$4 billion from reduced allergies and asthma
- \$30 billion from reduced sick building syndrome
- \$160 billion from direct improvements in worker performance unrelated to health



How do high-performance products from Gold Bond Building Products contribute to healthier indoor air quality?



Engineered with enhanced mold and mildew resistance, including SPORGARD® technology. The PURPLE family of products deliver the confidence and peace of mind you need to stand behind your work. They're mold and moisture resistant, UL GREENGUARD Indoor Air Quality Certified and manufactured in our trademarked PURPLE color.

What finishing products contribute to better air quality?



The only full line of mold and mildew resistant products for ready mix, setting compounds and textures.



Reduce airborne dust by up to 60% using ProForm products with Dust-Tech®.

What certifications and tools does National Gypsum offer?



Select products have achieved UL GREENGUARD Certification by meeting rigorous emissions limits to support human health and minimize indoor air pollution.



Create a customized Green Product Score report containing information to aid in the preparation of LEED certification documents.

¹ "Indoor Air Quality: What Are the Trends in Indoor Air Quality and Their Effects on Human Health?" U.S. Environmental Protection Agency, last updated September 7, 2021.

² William J. Fisk, "Health and Productivity Gains From Better Indoor Environments and Their Relationship With Building Energy Efficiency," Annual Review of Energy and the Environment 25 (2000): 537-66.