

# **Nanomaterials and its Impact on the Quality of the Internal Environment for Sustainable Interior Design**

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## **Abstract:**

Nanotechnology, the key technology of the 21st century, is making inroads in interior design. It opens up new possibilities in sustainable interior design through nanomaterials, nanomaterials can be used as coatings, insulators, air purification or in the manufacture of other products, and will have a major impact on how public spaces are thought of for interior design such as hospitals, offices, restaurants, hotels and malls and offer unparalleled performance in durability, energy efficiency, economy and improving the quality of the internal environment to achieve sustainability.

The Research problem is related to the question of how interior designers' use nanomaterials to achieve the quality of the internal environment and achieve the standards of sustainable interior design. and the aim of the research is to know the positive benefits of nanomaterials in interior design and furniture, and to know the effect of using nanomaterials in improving the quality of the internal environment to achieve sustainable interior design. The research follows the descriptive analytical approach, this paper provides an overview of the applications of nanomaterials for interior design with an analysis of these examples, and an explanation of the impact of nanomaterials on sustainable interior design, followed by some conclusions and recommendations.

## **Keywords:**

Nanotechnology – Nanomaterials - Internal Environment- Sustainability- Sustainable Interior Design.