EDUCATIONAL
SECTOR

December **2022**

Issue No. 01

MADA GYPSUM

Table of
Content

General Design Considerations	**4**
Fire Safety	**5**
Acoustics	**6**
Structure	**9**
Service Integration	**11**
Sector Focus	**13**
Robustness	**13**
Visual Aesthetics	**13**
Speech Clarity	**14**
Versatility	**18**
Solution Selection	**19**
Partitions	**20**
Shaftwall Solutions	**30**
Wall Linings	**31**
Monolithic Ceiling	**33**
Exterior Envelop	**35**
Sector Specified Details	**36**
Finishing and Accessories	**39**

Introduction

01 - Functionality

02 - Efficiency

03 - Sustainability

04 - Integration

05 - Safety

Innovation is continuously changing how education will be delivered in the future.

With a projected 23% rise in the number of people in the MENA region who will be of school age by 2030, there will be 25 million more learners to accommodate in the educational system.

All nations have consistently prioritized education and made significant efforts to create an environment that complies with, and exceeds international norms. Innovation is continuously changing how education will be delivered in the future. The educational system will be substantially redesigned due to the rapid advancement of technology in the upcoming ten years. As a result of this transformation, educational building designs are adjusting, and the following factors are being considered in educational spaces:

Functionality
Classrooms will need to be more practical. Form and function must be compatible.

Efficiency
Maximal energy efficiency will be achieved in building designs. A few strategies architects and builders are using to make their buildings more energy efficient include insulation, exposure, ventilation, alternative energy, and space.

Sustainability
Ensuring that the buildings they construct are long-term sustainable is one of the main issues facing designers and builders in the current era. The idea behind this is to determine whether concepts are appropriate for a given project and whether the use of specific materials is justified, rather than to push the boundaries of building design concepts and the materials required to make them a reality.

Integration
The period of unfettered building design is coming to an end as most people live in developed cities and the nearby suburbs. The necessity of integrating building design and construction into the surrounding environment, including WiFi connectivity, smart boards and walls, lines of sight, clarity of speech, areas of planned and unplanned cooperation, and more, must be highly emphasized in educational environments.

Safety and emergency response
Pertaining to the speed and safety with which occupants of the building can be evacuated in the event of an emergency.

The Mada Educational Guide's objective is to provide designers, architects, and contractors with access to the standards, considerations, and solutions that the technical team at Mada Gypsum Company has to offer in relation to the educational sector's use of partitions and ceiling systems.

Mada's technical staff is constantly ready to help, from design to implementation and handover, as each educational facility always has its own uniqueness.

For More Info Please Sign In or Register