

Achieve LEED Platinum standard with OWA



Ceiling systems for “green” office building in São Paulo



Eldorado Business Tower

Sustainability takes shape

The American building certification standard LEED is on the way to set the international benchmark for sustainable architecture. One example of that is Eldorado Business Tower in the Brazilian business metropolis São Paulo. This 141 m and 32 floors high business tower is the first building of its kind in Brazil, which received a platinum award, the highest possible LEED certification.

To achieve this ambitious level of “eco-friendly” building, the architects selected all building materials strictly after their certified environmental characteristics. OWA do Brasil, our Brazilian sales office, won the competition for the ceiling systems, because OWA mineral wool tiles do not only offer acoustic, fire protection and photometric advantages, but also because they consist of certified “biosoluble” mineral wool and are free from asbestos as well as solvents. Still another factor that helped with the decision: the design possibilities.



Acoustic ceilings from a casting

In total the Eldorado Business Tower offers 58,500 m² of office space, and 47,000 m² of ceiling surfaces, which should be equipped with acoustic ceiling systems. The demanded sound absorption should at least reach 0.60.

43,000 m² of the rented office space was equipped with OWAcooustic® smart tiles in the Constellation pattern and OWAconstruct® grid systems. For the 4,000 m² main entrance and elevator area is concealed OWAconstruct® system with the OWAcooustic® premium pattern Constellation chosen concealed, because the architects wanted a constant and monolithic ceiling with room impression for the lobby, in order to separate these areas optically from the office spaces.

Handling transitions

Special challenges represented the transient areas between the concealed systems in the lobbies and the exposed grid within the office areas, equally the transitions between ceiling and windows as well as the fittings for lights and air conditioning systems. These constructional tasks were solved completely by the Brazilian sales office. By the way the colleagues of OWA do Brasil managed the entire order – in close cooperation with the architects and the implementing enterprise.

Eldorado Business Tower, São Paulo, Brazil

- > Owner:
Gafisa Construções, São Paulo
- > Architect:
Aflalo & Gasperini Arquitetos, São Paulo
- > Completion: November 2008
- > Construction period: 30 months
- > Construction period ceiling systems:
11 months
- > Project management:
OWA do Brasil, São Paulo
- > Technical consultation:
OWAconsult®
Odenwald Faserplattenwerk GmbH
Dr.-F.-A.-Freundt-Straße 3
63916 Amorbach

OWAconsult®



OWAconsult® is an independent unit for consultation, support and assistance of architects, interior decorators, planners, investors and installers.

Location of the unit is the OWA Headquarter in Amorbach and for our contacts we use the world-wide OWA sales network. We co-operate with the OWA research and development hand in hand.

OWAconsult®

Dr.-F.-A.-Freundt-Straße 3

63916 Amorbach

Germany

Tel. +49 9373 2 01-4 44

Fax +49 9373 2 01-1 11

www.owaconsult.com

E-Mail: info@owaconsult.de