

Espacio Condesa Building (Mexico)



Project description

With housing offices, apartments and a shopping center, Espacio Condesa is the first of its kind in the Condesa neighborhood of Mexico City.

Due to the complexity of the project and the seismic demands of the area, it was decided to use seismic protection isolators to protect the office and department towers and the shopping center from earthquakes.

Construction work began in 2016 with the demolition of a car dealership that occupied the 8,000 square meters of Espacio Condesa. It is projected that the complex will open in 2021.

mageba scope

After several extensive dynamic analyzes of the structural seismic response, the engineers decided to implement lead core rubber bearings (LASTO®LRB) that work on the principle of base isolation and limits the energy transfer from the ground to the structure in the event of an earthquake.

Therefore, the building will be equipped with 87 LASTO®LRB units of different diameters, 41 single, 11 double and 35 quadruple isolators with a vertical load capacity of up to 20,683 kN and a movement capacity of +/- 300mm.

Highlights & Facts

mageba products:

Type: LASTO®LRB Lead Rubber Bearings

Installation: 2020

Structure:

City: Mexico City

Country: Mexico

Type: Multi-story building

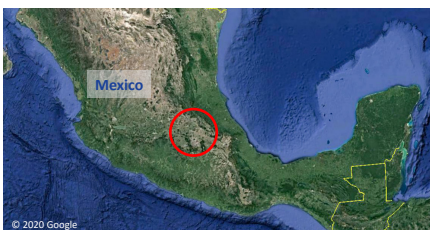
Completed: 2021

Owner: FIBRA PLUS

Contractor: NÉMESIS PROYECTOS SA DE CV

Design: GALLEGOS CONSULTORES

The building is located in the Condesa neighborhood in Mexico City, Mexico



With the help of a crane, the isolators are placed on each column



The installation of the first few LASTO®LRB's was supervised by mageba technicians

