

EDB+

Earth pressure calculation

Application options

The EDB+ application allows you to calculate the earth pressure ordinates from the ground top edge down to a specified depth. The calculated earth pressure ordinates can be put out in detail for a partial area as well as for the entire depth.

At the same time, the software calculates the resulting horizontal and vertical earth pressure forces.

The following calculations are available for selection:

- Active earth pressure
- Earth pressure at rest
- Average of the active earth pressure and the earth pressure at rest (increased active earth pressure)
- Passive earth pressure (earth resistance)

Loading

- The user can optionally define limited strip loads, line loads and block loads as well as limited and unlimited area loads on the ground at any depth.

Additional features

- Unlimited number of soil layers
- Discontinuous or continuous slopes
- Consideration of the earth pressure resulting from compaction and from the offset with applying loads as per DIN 4085.
- Variable wall inclination
- Different water levels on the left and the right
- Ground water levels can be selected independently of layer borders

Automatic consideration of the water pressure based on the ground water level.

