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# Comparative study of calculation methods for designing slurry walls

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## Abstract

This paper presents a comparative study of several calculation methodologies of internally braced slurry walls. The slurry wall process results in the construction of a concrete wall perimeter that sets the stage for the excavation of the underground floors of a building structure. Although the analysis of slurry walls can be carried out with a simplified calculation procedure, there are different approaches to estimate forces and pressures on the wall that influence the design of the structure. Besides, the construction sequence in the case of braced systems hinders the structural analysis of the wall. Thus, in this paper it is intended to study the construction sequence of an internally braced system in order to analyse the influence of the calculation method in the design process of a slurry wall.

## Keywords

Slurry walls, internally braced system.