



FRILO
BY ALLPLAN

FRILO GEOTECHNICS EDITIONS 2026

PROGRAMS

Category

PROFESSIONAL

ULTIMATE

Foundation	Analysis and design of strip, pad, mast, raft and isolated foundations, reinforcement layout, and bearing resistance failure	Shallow Foundations	■	■
Beam on Elastic Foundation	Analysis and design of elastically supported beams and one-way slabs with reinforcement layout	Shallow Foundations	■	■
Soil Settlement	Analysis of the magnitude and the progression over time of the settlements and foundation tilting	Shallow Foundations	■	■
Pile Foundation	Analysis and design of bored piles, micro-drilled piles, reinforced concrete or steel prefabricated piles as well as ductile cast iron piles	Deep Foundations	■	■
Piles in Slopes	Analysis of individual piles, which are to be erected in embankments in accordance with the approach by Vogt.	Deep Foundations	■	■
Combined Pile-Raft Foundations	Analysis and design of combined pile-raft foundations (CPRF)	Deep Foundations	■	■
Vibro-Compaction	Analysis of the settlements of foundations with the consideration of soil improvement by vibro-compaction	Deep Foundations	■	■
Document Designer	Compilation, management, and editing of structural analysis and design results in a uniform output document	Documentation	■	■
Pit Wall	Modeling construction pits in 2D and 3D as well as analysis, design and reinforcement of pit walls of different wall types	Pits & Pit Walls		■
Building Underpinning & Gravity Wall	Analysis and design of building underpinning and retaining walls made of reinforced concrete	Retaining Structures		■
Cantilevered Retaining Wall	Stability verifications and the reinforced concrete design for cantilevered retaining walls	Retaining Structures		■
Gabion Wall	Analysis and design of gabions and retaining structures made of concrete elements or stacked stones	Retaining Structures		■
Basement Wall	Analysis and design of basement walls made of reinforced concrete	Retaining Structures		■
Earth Pressure Calculation	Analysis of the horizontal earth pressure coordinates on a hypothetical earth pressure wall	Retaining Structures		■
Soil Nailing	Analysis and design of embankments secured with nails following the block sliding approach	Slope Protection		■
Slope and Base Failure	Determination of the safety against slope and base failure based on the methods by Krey-Bishop and Janbu	Slope Protection		■
Reinforced Soil with Geosynthetics	Analysis and design of constructions of reinforced soil with geosynthetics	Slope Protection		■
Groundwater Lowering	Analysis of groundwater lowering for several adjacent excavation pits with any number of wells	Geohydraulics		■
Infiltration Installation	Analysis of different types of infiltrations and infiltration installations	Geohydraulics		■
Diaphragm Wall Lamellae	Analysis of the stability of diaphragm wall lamellae in accordance with DIN 4126	Geohydraulics		■

FRILO GEOTECHNICS PROFESSIONAL

FRILO Geotechnics Professional has been compiled for geotechnical engineers who deal with foundations of all kinds in the context of foundation engineering. The programs included in the edition enable you to verify various shallow foundations taking into account ground failure safety and soil settlement analysis. In terms of deep foundations calculation, simple pile foundations, pile groups, combined pile-raft foundations, and foundations with vibrated tamping columns are available. Using the Document Designer, all structural analysis results can be summarized and administrated on a project-specific basis in a verifiable output document.

FRILO GEOTECHNICS ULTIMATE

FRILO Geotechnics Ultimate is intended for geotechnical engineers who deal with geotechnical calculations of all kinds in the field of foundation engineering. You can draw on the full range of functions not only for foundations, but also for the calculation and design of retaining structures. You will also be able to model excavation pits in 2D and 3D, taking into account pipeworks, anchors and excavation volumes, and calculate, dimension, and reinforce common excavation pit walls. Slope and terrain failures can also be determined. Our programs also help you with geohydraulic calculations.

