

WWZ- Schortens (water and forest centre)



Efficient foundations - with DIBt- approved ground screws

A minimally invasive foundation method was chosen for the sustainably planned water and forest centre in Klosterpark Schortens: 79 KRINNER steel ground screws (type V114, length 5 m) support the building on point foundations. These enable a solid, secure and at the same time soil-friendly foundation without sealing the surface or massive earthworks.

The ground screw forms the basis for a steel girder construction (HEA 160, hot-dip galvanised), on which a load-bearing floor slab made of trapezoidal steel profiles and cement-bonded chipboard rests. The assembly was carried out quickly, precisely and without interfering with the sensitive roots of the old trees - a decisive advantage in the landscaped park area.

Thanks to the KRINNER ground screws, the energy-efficient building constructed from cross-laminated timber could be realised as if it were "floating". The sustainable construction concept completely dispenses with concrete foundations and allows for the potentially residue-free dismantling of all components.

DATA & FACTS	
Project name	WWZ
Location	Schortens
Country	Germany
Client	Architectural office Thater
Execution	Kramer & Schuster, Jan Karsten
Products used	76 x V 140 with 5.00 m length



Deutsches
Institut
für
Bautechnik

DIBt

