

HendixTM elevated floors a solution by Severstal-metiz





Project: Sipelgapesa parking deck,

Tallinn, Estonia

Hendeck™ elevated floors 2006

monolithe parking deck for multi storage appartment house made of Steel fiber reinforced concrete.

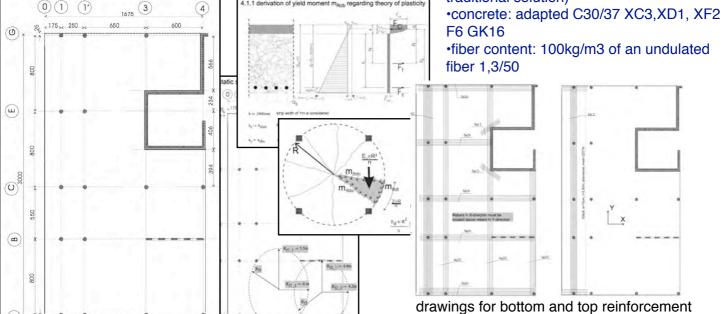


design service by Jürgen Mandl / Severstal-metiz Design done according to DIN-standards on steel fiber reinforced concrete with regard to theory of plasticity.

parking deck floor made of steel fiber reinforced concrete and Anti-Progressive-collapsereinforcement

> •d=250mm (originally 280mm with traditional solution)

•fiber content: 100kg/m3 of an undulated





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installation of APC-reinforcement in bottom layer on the day of casting concrete; in areas of statically determined structures a combination of sfrc and traditional reinforcement is regarded (here: top reinforcement d=8mm, e=150mm at cantilever)







stable and low viscose (almost) self-compacting concrete according to recommendations by Severstal-metiz provide easy pumpability although the figh fiber dosage.

high quality surface due to the low viscosity concrete (limited by the quality of the formwork)