

MASTER THESIS

Gothenburg, 29. November 2019

Summary of Master Thesis within Research and Development

Master student thesis reports:

(Reports can be found at <https://odr.chalmers.se/handle/20.500.12380/1?locale=sv>)

Arafat, A., & Khorsandi, A., (2019): Structural Behaviour of Steel Fibre Concrete Floors. Chalmers University of Technology, Master's Thesis ACEX30-19-57

Bengtsson, F. (2017) Effect of Leaching on Compressive Strength of Cement Mortar. Chalmers University of Technology, BOMX02-17.

André, J., (2017): Mixing cement with carbon dioxide – effect on early hydration. Bachelor of Science Thesis, Department of Chemistry and Chemical Engineering, Chalmers University of Technology.

Bohlin, K., & Snibb, R., (2016): Carbonation of concrete - Effect of mineral additions and influence on transport properties. Master's Thesis BOMX02-16-42, Chalmers University of Technology.

Diaz, F., & Johansson, R., (2016): Early-Age Thermal Cracking in Concrete - A FE-Modelling Approach. Master's Thesis BOMX02-16-64, Chalmers University of Technology.

Görander, N., & Halldén, N., (2015): *Crack Width Profiles for Fibre-reinforced Concrete Elements with Conventional Reinforcement*, Master's Thesis 2015:80, Chalmers University of Technology.

Abad Zapico, L., (2015): *Experimental investigation on electrical resistivity of SFRC*, Master's Thesis 2015:84, Chalmers University of Technology.

Lindegård, L., och Markunger, D. (2014): Inventering av skador och nedbrytningsmekanismer hos betongbroar i vägmiljö, Examensarbete 2014:130, Institutionen för bygg- och miljöteknik, Chalmers tekniska högskola, Göteborg, 2014.

Yang, Q., (2012): *Stability of air bubbles in fresh concrete*, Master's Thesis 2012:99, Chalmers University of Technology.

Abrycki, M., & Zajdzinski, A., (2012): *Effect of fibres on corrosion of steel reinforcement*, Master's Thesis 2012:65, Chalmers University of Technology.

Irfan, M., (2011): *Carbon Footprint of Ready Mix Concrete and the Role of Environmental Classification Systems*, Master's Thesis 2011:16, Chalmers University of Technology.

Antona, B., & Johansson, R., (2011): *Crack Control of Concrete Structures Subjected to Restraint Forces, Influence of Fibre Reinforcement*, Master's Thesis 2011:70, Chalmers University of Technology.

Knutsson, A., (2010): *Freeze/Thaw Durability of Concrete with Fly Ash*, Master's Thesis 2010:154, Chalmers University of Technology.

Gustafsson, M., & Karlsson, S., (2006): *Fiberarmerade betongkonstruktioner - Analys av sprickavstånd och sprickbredd*, Master's Thesis 2006:105, Chalmers University of Technology.

Zandi Hanjari, K., (2006): *Evaluation of WST Method as a Fatigue Test for Plain and Fiber-reinforced Concrete - experimental and numerical investigation*, Master's Thesis 2006:17, Chalmers University of Technology.

Martínez, D., (2006): *Bending with σ - ϵ and σ - w approach*, Master's Thesis 2006:38, Chalmers University of Technology.

Keyes, D. & Sindler, J. (2004): *Restrained shrinkage, creep and cracking of concrete at early age*, Master's Thesis, Chalmers University of Technology.

Teklay G., (2004): *Conceptual design using structural analysis software*, Master's Thesis, Chalmers University of Technology.

Kassa, S., & Wrya, R., (2003): *Wedge splitting test method for fiber reinforced concrete - experiments and modelling*, Master's Thesis, Chalmers University of Technology.

Kassa, E., (2002): *Moisture, Shrinkage and Shrinkage Induced Deformations in Lattice Girder Elements*, Master's Thesis, Chalmers University of Technology.

Harnisch, J. (2001): *Comparative Studies on Lattice Girder Elements (Full-scale tests and a finite element simulation)*, Master's Thesis, Chalmers University of Technology.

Verdugo, G., (2001): *Full scale tests and analytical model for lattice girder elements*, Master's Thesis, Chalmers University of Technology.