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UHPC and its diffusion properties



Sarka Nenadalova Universität Kassel, Germany UHPC (ultra-high performance concrete) is a modern cementitious composite material with compressive strength more than 150 MPa and tensile strengths more than 5 MPa. Except improved compressive strength, it has better toughness in case of failure of bending, tension and compression and high durability. In Kassel University we have started project aimed on diffusion properties of UHPC. Not only water vapour resistance factors have been examined but also other diffusion parameters are discussed on this paper. We thanks grant Call 027 International mobility of researchers for the support.

Biography

Sarka Nenadalova has completed her Ing. at Czech Technical University in Prague, Faculty of Civil Engineering in 2012 and her pedagogical studies at Czech Technical University in Prague, the Masaryk Institute od Advanced Studies in 2015. She has worked at the Klokner Institute, CTU, Department of Building Materials as research worker from 2012. At the Klokner Institute, CTU she has been studing Ph.D. program Theory of Non-metalic and Building Materials since 2012. She teaches Statics and Building Management at CTU, Faculty of Architecture. She is active at publiching as well as at organising and editoring of research conferences.

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