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The influence of heating on the mechanical properties of coarse aggregates consisting of granitic composition

K.-J. Loorents (1), K. Miskovsky (2)

(1) VTI, 581 95 Linköping, Sweden, e-mail: karl-johan.loorents@vti.se, (2) Department of Civil, Mining and Environmental Engineering, Luleå University of Technology, 971 87 Luleå, Sweden, e-mail: miskovsky@telia.com

The heating of coarse fraction consisting of granitoid rocks caused a significant deterioration of mechanical properties at the relative low temperatures as 450° C and 650° C. The most influenced property was the brittleness of the rock. Quarts and feldspar are sensible to the heating developing micro cracks.