

Zlín, November 5, 2020

A report on Dieter Sedlacek, the author of thesis

**“Cooling of Aluminium Coils by Forced Ventilation with Outdoor Air”**

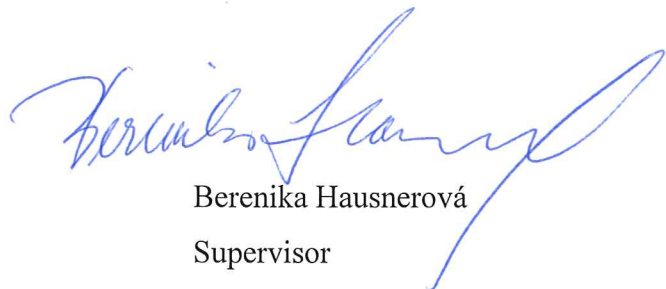
Doctoral Thesis submitted by Dieter Sedlacek is focused on the development of the cooling system for aluminum coils based on a forced ventilation with an outdoor air.

Mr Dieter Sedlacek started to investigate the possibilities to adopt the process of forced ventilation to the cooling of aluminium coils under my guidance in 2016. His doctoral topic has been motivated by the industry need to gain the fundamental knowledge of the thermal properties of the aluminium coils, and propose a suitable air flow solution in open warehouses of these products. In this respect his Thesis represents one of the rare cases at the TBU in Zlín (but well established in other EU countries), where the research outcomes are continuously implemented to the practice with the constant feedback.

Dieter Sedlacek was an active student, who developed substantially his skills to perform fundamental research, and present the results to both industrial and academia scientific audience at the respected conferences.

His thesis presents thorough analytical methods, producing data on the subject, which are discussed with comprehensive references to the previous research in the field. By this thesis Mr Dieter Sedlacek demonstrates his ability to conduct well-oriented scientific research at a satisfactory level.

The Thesis has been proved to have 0 % equivalence via TBU plagiarism control.



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Supervisor