

I. IDENTIFICATION DATA

Thesis name:	Bonding Performance of Textile Reinforced Concrete
Author's name:	Zhavoronkov Gleb
Type of thesis:	Bachelor's thesis
Faculty/Institute:	Faculty of Civil Engineering CTU in Prague
Department:	Department of Concrete and Masonry Structure
Thesis reviewer:	Ing. Jakub Žák
Reviewer's department:	Department of Concrete and Masonry Structure

II. EVALUATION OF INDIVIDUAL CRITERIA

Assignment	more difficult
<i>Evaluation of thesis difficulty of assignment.</i>	
I consider the assignment more difficult because the main part of the work was laboratory preparation and testing of non-standard samples.	

Satisfaction of assignment	fulfilled
<i>Assess that handed thesis meets assignment. Present points of assignment that fell short or were extended. Try to assess importance, impact or cause of each shortcoming.</i>	
All goals of the assignment were completed.	

Method of conception	excellent
<i>Assess that student has chosen correct approach or solution methods</i>	
The methods and approach used for complete all goals are correct.	

Technical level	A - excellent
<i>Assess level of thesis specialty, use of knowledge gained by study and by expert literature, use of sources and data gained by experience</i>	
The thesis quality is on high level. The knowledge needed to complete the work goes beyond the standard study content.	

Formal and language level, scope of thesis	B - very good
<i>Assess correctness of usage of formal notation. Assess typographical and language arrangement of thesis</i>	
The language is understandable. There are several typing errors in the text (for example in the name of the university on the title page of the thesis). The electronical version of the thesis has several formal flaws, such as missing assignment, declaration or a list of picture.	

Selection of sources, citation correctness	C - good
<i>Present your opinion to student's activity when obtaining and using study materials for thesis creation. Characterize selection of sources. Assess that student used all relevant sources. Verify that all used elements are correctly distinguished from own results and thoughts. Assess that citation ethics has not been breached and that all bibliographic citations are complete and in accordance with citation convention and standards.</i>	
Used sources are adequate to the topic of the thesis. However the writing format of some references is not correct (eg, authors and article name are missing). It means the source will not be known after deactivating online links.	

Additional commentary and evaluation
<i>Present your opinion to achieved primary goals of thesis, e.g. level of theoretical results, level and functionality of technical or software conception, publication performance, experimental dexterity etc.</i>
The detailed analysis of the test samples is very useful for further investigating the bonding performance of TRC.



REVIEWER'S OPINION OF FINAL THESIS

III. OVERALL EVALUATION, QUESTIONS FOR DEFENSE, CLASSIFICATION SUGGESTION

Summarize thesis aspects that swayed your final evaluation. Please present apt questions which student should answer during defense.

Although the work contains some formal shortcomings, the results of the work are very good and valuable. I also appreciate the great amount of work in the laboratory.

Questions:

1) Figures 34, 39, 41 and 45 are named stress-strain diagrams. Explain used units for stress and strain.

I evaluate handed thesis with classification grade **A - excellent**.

Date: 18.6.2019

Signature: