

ABSTRACT

Požáry Granite, cropping out on NW margin of Central Bohemian Plutonic complex, is ranked to the most valuable decorative varieties of natural stone in the Czech Republic. The stone is characterised by plausible appearance, excellent polishing ability and favourable physical properties. It has been used for numerous structures and monuments in the Czech Republic and abroad. Despite declared favourable properties, it is prone decay, specifically on the polished surface. This bachelor thesis discusses granite petrology, their weathering and usage for decorative purposes. In the second part, the thesis summarizes current knowledge on Požáry Granite. The study focuses on its position within the Central Bohemian Plutonic Complex, mineralogy, petrology, usage, and historical/current exploitation. This bachelor thesis is generally aimed as introduction to the planned master thesis which should focus on experimental study of Požáry Granite.