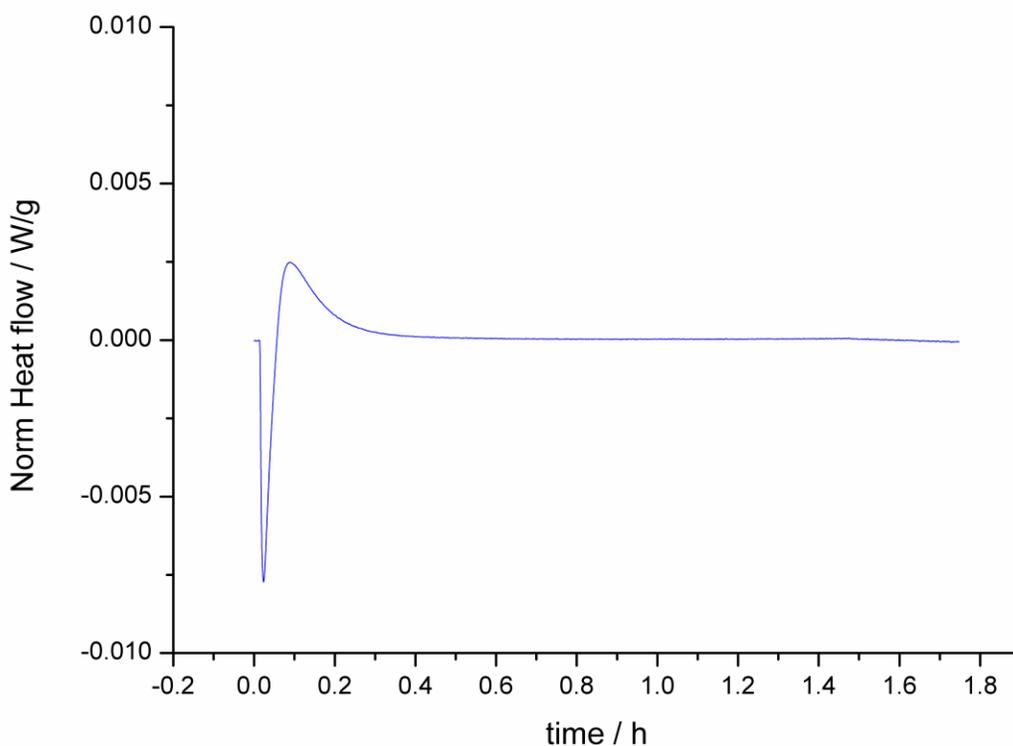


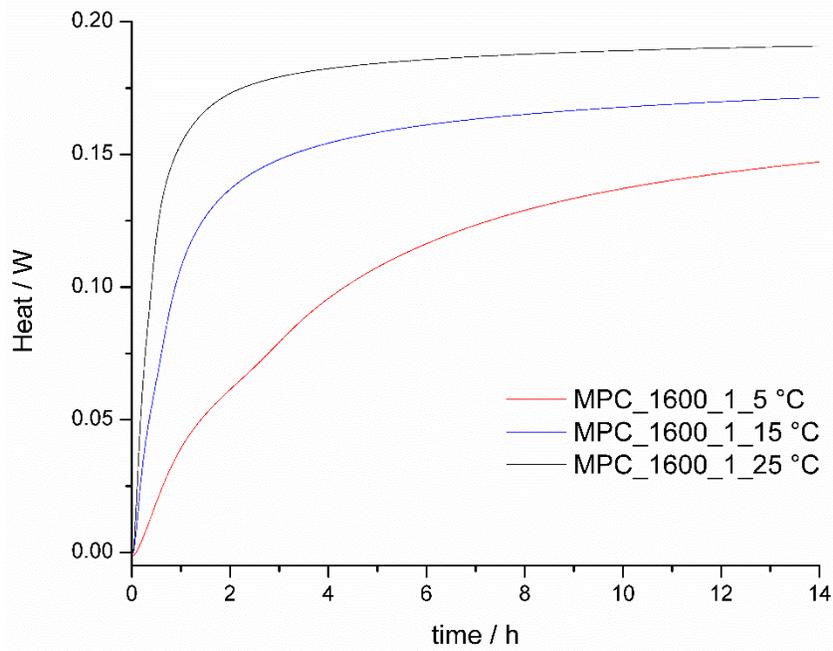
# Polyamorphism and frustrated crystallization in the acid-base reaction of magnesium potassium phosphate cements.

A. Viani<sup>a\*</sup>, P. Mácová<sup>a</sup>.

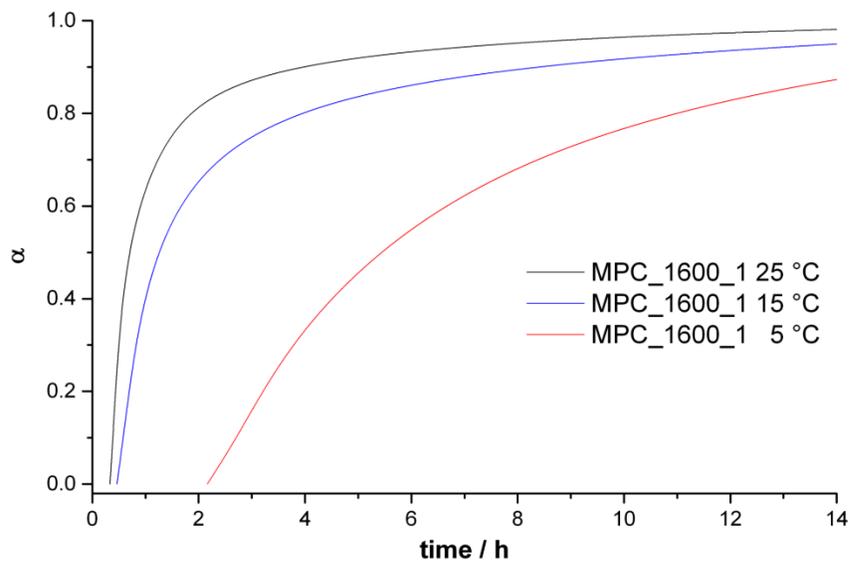
<sup>a</sup>Institute of Theoretical and Applied Mechanics, Centre of Excellence Telč, Batelovská 485, CZ- 58856 Telč, Czech Republic.



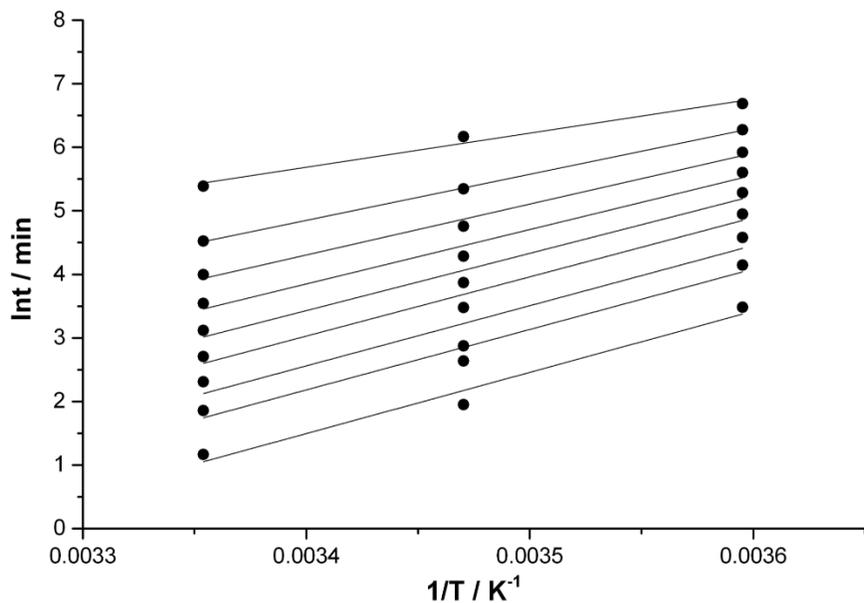
**Fig. S1.** Isothermal calorimetric curve showing the rate of heat evolution due to wetting of MgO in water at 25 °C.



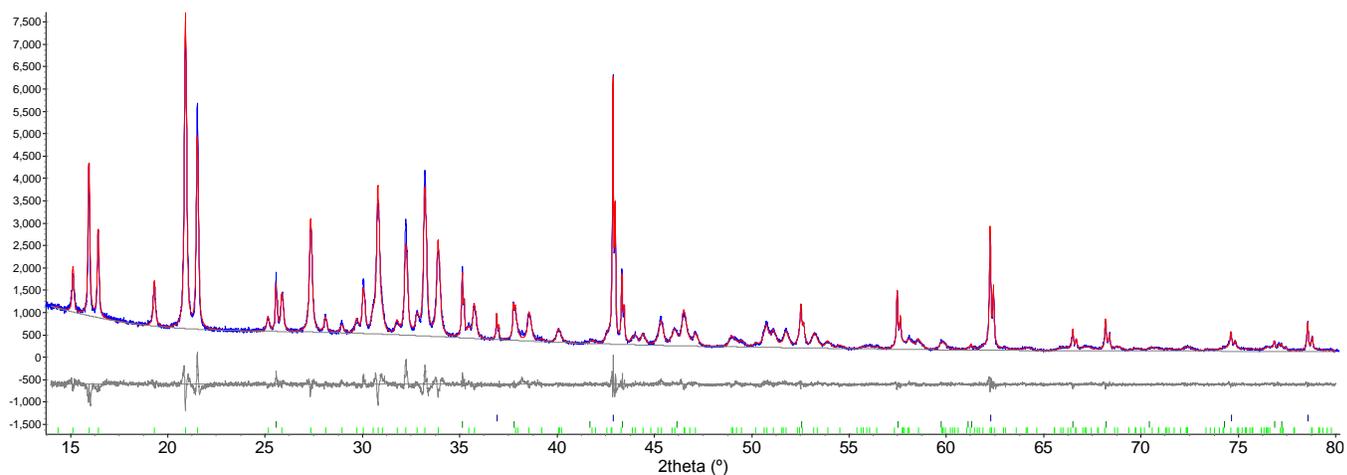
**Fig. S2.** Heat curves of samples 1600\_1 at different temperatures as indicated.



**Fig. S3.** Conversion curves built as described in the text from the heat release curves for the peak III.



**Fig. S4.** Plot of Int vs.  $1/T$  applying the isoconversional method.



**Fig. S5.** Rietveld refinement graphical output relative to the sample MPC\_1600\_2. Observed (blue line), calculated (red line), background (grey line) and difference (bottom line) curves are reported. Blue, dark green and light green ticks, mark Bragg reflection positions of MgO, Al<sub>2</sub>O<sub>3</sub> internal standard, and MKP, respectively.