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## Experimental study on the construction of a permeability model of bentonite Part2 : Effective porosity analysis

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The permeability coefficient of compacted bentonite is very small compared to that of common soil materials. In addition, the permeability coefficient differs greatly depending on the quality of the test water, and it cannot be evaluated by the difference in viscosity alone. The purpose of this study is to elucidate these factors, and finally to understand the infiltration and penetration behavior of water in bentonite, and then incorporate it into a numerical analysis model. In this study, we obtained the physical properties of Na-type bentonite and analyzed the effective porosity. The mechanism assumed from Part 1 was confirmed using quantitative data, and a bentonite permeability behavior model was constructed.

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