

[Panich Voottipruex](#)

Flexural Strength Characteristics of Compacted Cement-Polypropylene Fiber Sand

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[Pitthaya Jamsawang](#), Dr.Eng.¹; [Panich Voottipruex](#), Dr.Eng.²; and [Suksun Horpibulsuk](#), Ph.D.³

¹Assistant Professor, Dept. of Civil Engineering, King Mongkut's Univ. of Technology North Bangkok, Bangkok 10800, Thailand. E-mail: pitthaya_kmutnb@hotmail.com

²Associate Professor, Dept. of Teacher Training in Civil Engineering, King Mongkut's Univ. of Technology North Bangkok, Bangkok 10800, Thailand. E-mail: pnv@kmutnb.ac.th

³Professor and Chair, School of Civil Engineering, Head, Center of Excellence in Civil Engineering, Suranaree Univ. of Technology, 111 University Ave., Muang District, Nakhon Ratchasima 30000, Thailand (corresponding author). E-mail: suksun@g.sut.ac.th; suksun@sut.ac.th

An improvement of flexural strength of cement stabilized sand using polypropylene fibers designated as compacted cement-polypropylene fiber-sand (CCFS) is investigated in this research. The studied material performance of the CCFS includes postpeak behavior, toughness, and equivalent flexural strength ratio. The fiber inclusion significantly improves the postpeak flexural behavior, which is a requirement for bound pavement materials. The first peak flexural strength f_1

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