



CASE STUDY : PHOSCRETE HC

Bridge Deck Patch Cold Climate



Location: [US 27 Nicholasville KY](#)

Ambient Temperature: [34°F, Cloudy](#)

Agency: KYTC and University of Kentucky

Contact: Abheetha Peiris, PhD. KYTC Research Engineer, abheetha.peiris@uky.edu

Installation Date: 4 February 2016

[Link to Google Photos Album](#)

Installation Notes: Repairs were performed on a bridge deck over the Kentucky River in freezing temperatures. Fast-Set Admix was used to speed setting time. Following site prep, 19 kits of Phoscrete were mixed, placed and finished in 20 minutes. Initial set occurred after 10 minutes after finish, and the exothermic reaction reached 140°F. The bridge was traffic ready 50 minutes after initial set.