



SS-2016-011-MC

**Design and dimensioning of precast bridge decks with high performance concrete**  
***(Entwurf und Bemessung von Fertigteilbrückenplatten aus Hochleistungsbeton)***

High performance concrete features not only high strength, but also improved durability because of its dense microstructure. This dense microstructure enables the design of bridge decks without sealing and pavement. The aim of this study is to review the state of knowledge on durability concepts for those bridge decks and a parametric design study for a defined span range and traffic usages (loadings).

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