



## CUSTOMER CASE STUDY

# SCIGRIP SG230 HV structural adhesive

## The Situation

Composite Advantage, a leading manufacturer of large structural composite products, faced a challenging project at Wolf Trap National Park in Vienna, VA. The bridge needed to be installed rapidly during the night, with each span requiring only 15 minutes of road closure. To meet these stringent requirements, the team sought a high-performance adhesive capable of delivering strong, reliable bonds under time-sensitive and demanding conditions. SCIGRIP® 230 HV, renowned for its lightweight properties, ease of application, and exceptional performance on large structures with variable bond lines, proved to be the ideal solution for this critical application.



## The Solution

SCIGRIP® 230 HV (High Viscosity) methacrylate adhesive is the structural adhesive for assembly of Composite Advantage's FiberSPAN™ products – non-slip composite bridge decks.

Recent structures include a vehicle bridge in Washington, DC; a three-span pedestrian bridge that crosses over ten lanes of highway to Dulles Airport; a signature pedestrian bridge on the north bank of the Charles River near downtown Boston; as well as two pedestrian bridges that span railroad tracks and connect the Anacostia River Walk Trails in Washington, DC.



- Composite Advantage required a strong, but lightweight adhesive that could provide permanent adhesion in harsh operating environments, while maintaining elasticity.
- SCIGRIP 230 HV was recommended for its ability to work with a selection of activators to provide workers with a wide range of working times from 30 to 120 minutes.
- Minimal surface preparation for bonding composites and other plastic parts.

